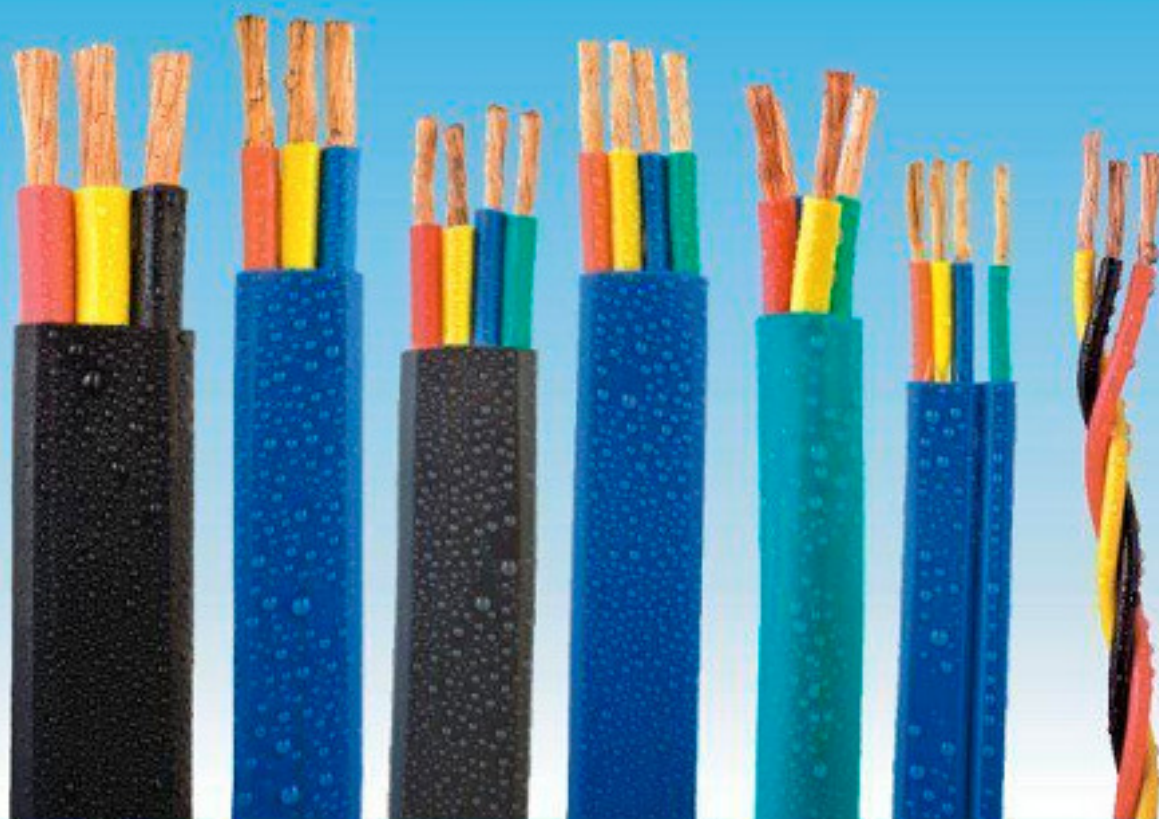




## Catalog produse | Products catalogue

Cabluri si conductoare electrice izolate | Insulated electrical cable and conductors

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**Conductoare izolate pentru instalatii fixe |  
Rigid insulated conductors for fixed installations**

## FY | H05V-U, H07V-U

Conductoare izolate pentru instalatii fixe | Rigid insulated conductors

| Construcție                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Construction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor de cupru unifilar clasa 1, sau multifilar clasa 2<br>2. Izolație din PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1. Solid or multiwire copper conductor<br>2. PVC insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificația tehnică                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Technical specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tensiunea nom.: 300/500 V (H05V-U)<br>450/750 V (H07V-U)<br>Temperatura de lucru: min. -40 °C max. +70 °C<br>Temperatura minimă:<br>– instalare și manipulare: +4 °C<br>– depozitare: -40 °C<br>Temperatura max. de depozitare: +40 °C<br>Standard de fabricație: SR HD 21.3 S3<br>Utilizare: în încăperi uscate, pentru instalații fixe și sub tencuială, pentru aparatură electrică și stații de distribuție.<br>Culoarea izolației: negru, alb, gri, maro, albastru, galben-verde, roșu; alte culori la comandă<br>Ambalare: colaci de 100 și 200 m acoperiți cu folie din plastic, cutii de carton, bobine. | Rated voltage: 300/500 V for H05V-U<br>450/750 V for H07V-U<br>Operating temperature: min. -40 °C max. +70 °C<br>Min. temperature:<br>– with installation and handling: +4 °C<br>– storage: -40 °C<br>Max. storage temperature: +40 °C<br>Manufacturing standard: SR HD 21.3 S3<br>Use: in dry rooms, for fixed installation in conduits and under plaster, for appliance wiring and distribution stations.<br>Colour of insulation: black, white, grey, brown, blue, green/yellow, red; others acc. to the agreement<br>Standard packing: coils 100 and 200 m covered with plastic foil, in carton boxes, reels |

| Secțiune<br>Cross section<br>(mm <sup>2</sup> ) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolație<br>Insulation<br>thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistență max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcină<br>Current carrying<br>capacity<br>(A) |
|-------------------------------------------------|------------------------------------------|--------------------------------------------------------|---------------------------------------------|-------------------------------|-------------------------------------------------------------|------------------------------------------------|
| <b>H05V-U</b>                                   |                                          |                                                        |                                             |                               |                                                             |                                                |
| 0.5                                             | ru                                       | 0.6                                                    | 1.9                                         | 8                             | 36.0000                                                     |                                                |
| 0.75                                            | ru                                       | 0.6                                                    | 2.1                                         | 11                            | 24.5000                                                     |                                                |
| 1                                               | ru                                       | 0.6                                                    | 2.2                                         | 13                            | 18.1000                                                     |                                                |
| <b>H07V-U</b>                                   |                                          |                                                        |                                             |                               |                                                             |                                                |
| 1.5                                             | ru                                       | 0.7                                                    | 2.7                                         | 20                            | 12.1000                                                     | 23                                             |
| 2.5                                             | ru                                       | 0.8                                                    | 3.2                                         | 30                            | 7.4100                                                      | 32                                             |
| 4                                               | ru                                       | 0.8                                                    | 3.7                                         | 45                            | 4.6200                                                      | 42                                             |
| 6                                               | ru                                       | 0.8                                                    | 4.2                                         | 65                            | 3.0800                                                      | 53                                             |
| 10                                              | ru                                       | 1                                                      | 5.3                                         | 105                           | 1.8300                                                      | 74                                             |
| 16                                              | ru                                       | 1                                                      | 6.3                                         | 162                           | 1.1500                                                      | 105                                            |
| 25                                              | rm                                       | 1.2                                                    | 8.9                                         | 275                           | 0.7270                                                      | 146                                            |
| 35                                              | rm                                       | 1.2                                                    | 9.9                                         | 353                           | 0.5240                                                      | 175                                            |
| 50                                              | rm                                       | 1.4                                                    | 11.9                                        | 504                           | 0.3870                                                      | 219                                            |
| 70                                              | rm                                       | 1.4                                                    | 13.7                                        | 710                           | 0.2680                                                      | 281                                            |
| 95                                              | rm                                       | 1.6                                                    | 15.7                                        | 931                           | 0.1930                                                      | 341                                            |

| Section<br>Cross section<br>(mm <sup>2</sup> ) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistentă max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current carrying<br>capacity<br>(A) |
|------------------------------------------------|------------------------------------------|--------------------------------------------------------|---------------------------------------------|-------------------------------|-------------------------------------------------------------|------------------------------------------------|
| 120                                            | rm                                       | 1.6                                                    | 17.5                                        | 1189                          | 0.1530                                                      | 396                                            |
| 150                                            | rm                                       | 1.8                                                    | 19.4                                        | 1443                          | 0.1240                                                      | 456                                            |
| 185                                            | rm                                       | 2.0                                                    | 21.6                                        | 1768                          | 0.0991                                                      | 521                                            |
| 240                                            | rm                                       | 2.2                                                    | 24.7                                        | 2318                          | 0.0754                                                      | 615                                            |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor



## MYF | H05V-K, H07V-K

Conductoare flexibile izolate pentru instalatii fixe | Flexible insulated conductors



| Construcție                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Construction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor de cupru multifilar clasa 5<br>2. Izolatie din PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1. Stranded copper conductor, class 5<br>2. PVC insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificatia tehnica                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Technical specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tensiunea nom.: 300/500 V(H05V-K)<br>450/750 V(H07V-K)<br>Temperatura de lucru: min. -40 °C max. +70 °C<br>Temperatura minima:<br>– instalare si manipulare: +4 °C<br>– depozitare: -40 °C<br>Temperatura max. de depozitare: +40 °C<br>Standard de fabricatie: SR HD 21.3 S3<br>Utilizare: in incaperi uscate, pentru instalatii fixe si sub tencuiala, pentru aparatura electrica si statii de distributie.<br>Culoarea izolatiei: negru, alb, gri, maro, albastru, galben-verde, rosu; alte culori la comanda<br>Ambalare: colaci de 100 si 200 m acoperiti cu folie din plastic, cutii de carton, bobine. | Rated voltage: 300/500 V for H05V-K<br>450/750 V for H07V-K<br>Operating temperature: min. -40 °C max. +70 °C<br>Min. temperature:<br>– with installation and handling: +4 °C<br>– storage: -40 °C<br>Max. storage temperature: +40 °C<br>Manufacturing standard: SR HD 21.3 S3<br>Use: in dry rooms, for fixed installation in conduits and under plaster, for appliance wiring and distribution stations.<br>Colour of insulation: black, white, grey, brown, blue, green/yellow, red; others acc. to the agreement<br>Standard packing: coils 100 and 200 m covered with plastic foil, in carton boxes, reels |

| Sectie<br>Cross section<br>(mm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolatie<br>Insulation thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor resistance<br>(ohm/km) | Sarcina<br>Current carrying capacity<br>(A) |
|-----------------------------------------------|------------------------------------|--------------------------------------------------|---------------------------------------------|-------------------------------|----------------------------------------------------------|---------------------------------------------|
| <b>H05V-K</b>                                 |                                    |                                                  |                                             |                               |                                                          |                                             |
| 0.5                                           | rm                                 | 0.6                                              | 2.1                                         | 9                             | 36.0000                                                  |                                             |
| 0.75                                          | rm                                 | 0.6                                              | 2.3                                         | 11                            | 24.5000                                                  |                                             |
| 1                                             | rm                                 | 0.6                                              | 2.5                                         | 14                            | 18.1000                                                  |                                             |
| <b>H07V-K</b>                                 |                                    |                                                  |                                             |                               |                                                          |                                             |
| 1.5                                           | rm                                 | 0.7                                              | 3.0                                         | 20                            | 12.1000                                                  | 23                                          |
| 2.5                                           | rm                                 | 0.8                                              | 3.6                                         | 33                            | 7.4100                                                   | 32                                          |
| 4                                             | rm                                 | 0.8                                              | 4.2                                         | 48                            | 4.6200                                                   | 42                                          |
| 6                                             | rm                                 | 0.8                                              | 5.2                                         | 67                            | 3.0800                                                   | 53                                          |
| 10                                            | rm                                 | 1.0                                              | 6.8                                         | 116                           | 1.8300                                                   | 74                                          |
| 16                                            | rm                                 | 1.0                                              | 7.9                                         | 169                           | 1.1500                                                   | 105                                         |
| 25                                            | rm                                 | 1.2                                              | 9.7                                         | 257                           | 0.7270                                                   | 146                                         |
| 35                                            | rm                                 | 1.2                                              | 11.2                                        | 361                           | 0.5240                                                   | 175                                         |
| 50                                            | rm                                 | 1.4                                              | 14.3                                        | 502                           | 0.3870                                                   | 219                                         |
| 70                                            | rm                                 | 1.4                                              | 15.4                                        | 736                           | 0.2680                                                   | 281                                         |

| Section<br>Cross section<br>(mm <sup>2</sup> ) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistentă max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current carrying<br>capacity<br>(A) |
|------------------------------------------------|------------------------------------------|--------------------------------------------------------|---------------------------------------------|-------------------------------|-------------------------------------------------------------|------------------------------------------------|
| 95                                             | rm                                       | 1.6                                                    | 17.6                                        | 968                           | 0.1930                                                      | 341                                            |
| 120                                            | rm                                       | 1.6                                                    | 19.5                                        | 1218                          | 0.1530                                                      | 396                                            |
| 150                                            | rm                                       | 1.8                                                    | 22.5                                        | 1529                          | 0.1240                                                      | 456                                            |
| 185                                            | rm                                       | 2.0                                                    | 24.7                                        | 1862                          | 0.0991                                                      | 521                                            |
| 240                                            | rm                                       | 2.2                                                    | 28.0                                        | 2376                          | 0.0754                                                      | 615                                            |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor



## AFY

Conductoare de aluminiu izolate pentru instalatii fixe | Rigid aluminium insulated conductors



| Constructie                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Construction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor de aluminiu unifilar clasa 1, sau multifilar clasa 2<br>2. Izolatie din PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1. Solid or multiwire aluminium conductor<br>2. PVC insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Specificatia tehnica                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Technical specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tensiunea nom.: 450/750 V<br>Temperatura de lucru: min. -40 °C max. +70 °C<br>Temperatura minima:<br>– instalare si manipulare: +4 °C<br>– depozitare: -40 °C<br>Temperatura max. de depozitare: +40 °C<br>Standard de fabricatie: SR HD 21.3 S3, STAS 6865<br>Utilizare: in incaperi uscate, pentru instalatii fixe si sub tencuiala, pentru aparatura electrica si statii de distributie.<br>Culoarea izolatiei: negru, alb, gri, maro, albastru, galben-verde, rosu; alte culori la comanda<br>Ambalare: colaci de 100 si 200 m acoperiti cu folie din plastic, cutii de carton, bobine. | Rated voltage: 450/750 V<br>Operating temperature: min. -40 °C max. +70 °C<br>Min. temperature:<br>– with installation and handling: +4 °C<br>– storage: -40 °C<br>Max. storage temperature: +40 °C<br>Manufacturing standard: SR HD 21.3 S3, STAS 6865<br>Use: in dry rooms, for fixed installation in conduits and under plaster, for appliance wiring and distribution stations.<br>Colour of insulation: black, white, grey, brown, blue, green/yellow, red; others acc. to the agreement<br>Standard packing: coils 100 and 200 m covered with plastic foil, in carton boxes, reels |

| Sectiune<br>Cross section<br>(mm <sup>2</sup> ) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatii<br>Insulation<br>thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current carrying<br>capacity<br>(A) |
|-------------------------------------------------|------------------------------------------|--------------------------------------------------------|---------------------------------------------|-------------------------------|-------------------------------------------------------------|------------------------------------------------|
| 2.5                                             | ru                                       | 0.8                                                    | 3.3                                         | 16                            |                                                             |                                                |
| 4                                               | ru                                       | 0.8                                                    | 3.8                                         | 22                            |                                                             | 27                                             |
| 6                                               | ru                                       | 0.8                                                    | 4.3                                         | 30                            |                                                             | 34                                             |
| 10                                              | ru                                       | 1.0                                                    | 5.5                                         | 49                            |                                                             | 47                                             |
| 16                                              | ru                                       | 1.0                                                    | 6.4                                         | 70                            | 1.9100                                                      | 63                                             |
| 25                                              | ru                                       | 1.2                                                    | 7.9                                         | 108                           | 1.2000                                                      | 82                                             |
| 35                                              | ru                                       | 1.2                                                    | 9.0                                         | 141                           | 0.8680                                                      | 99                                             |
| 50                                              | rm                                       | 1.4                                                    | 11.9                                        | 201                           | 0.6410                                                      | 119                                            |
| 70                                              | rm                                       | 1.4                                                    | 13.7                                        | 271                           | 0.4430                                                      | 152                                            |
| 95                                              | rm                                       | 1.6                                                    | 16.1                                        | 372                           | 0.3200                                                      | 186                                            |
| 120                                             | rm                                       | 1.6                                                    | 17.7                                        | 453                           | 0.2530                                                      | 216                                            |
| 150                                             | rm                                       | 1.8                                                    | 19.7                                        | 560                           | 0.2060                                                      | 246                                            |
| 185                                             | rm                                       | 2.0                                                    | 21.6                                        | 647                           | 0.1640                                                      | 285                                            |
| 240                                             | rm                                       | 2.2                                                    | 24.7                                        | 866                           | 0.1250                                                      | 338                                            |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

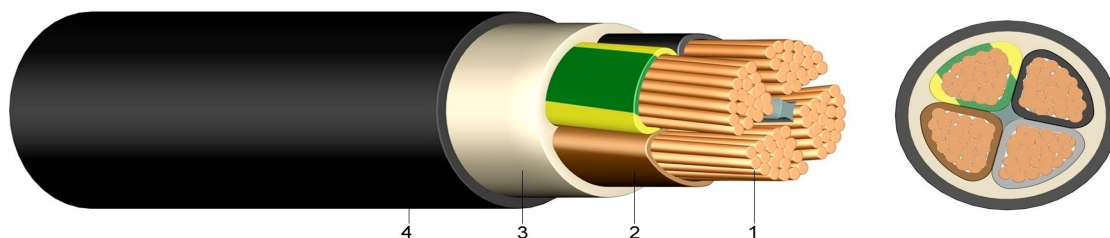
sm – conductor sector multifilar | stranded sector shaped conductor



## **Cabluri de energie | Power cables**

# CYY-F, CYEY-F, CYEABY-F, CYABY-F CYY, CYEY, CYEABY, CYABY

Cabluri de energie | Power cable



## Constructie

1. Conductor de cupru unifilar clasa 1, sau multifilar clasa 2
2. Izolatie din PVC
3. Umplutura
  - Ecran din banda de cupru
  - Manta interioara din PVC
  - Amatura din banda de otel
4. Manta exterioara din PVC

## Construction

1. Solid or multiwire copper conductor
2. PVC insulation
3. Filler
  - Copper foil screen
  - Inner PVC sheath
  - Armour of steel tape
4. Outer PVC sheath

## Specificatia tehnica

Tensiunea nom.: 0,6/1 KV  
 Temperatura de lucru: min. -40 °C max. +70 °C  
 Temperatura minima:  
 – instalare si manipulare: +4 °C  
 – depozitare: -40 °C  
 Temperatura max. de depozitare: +40 °C  
 Standard de fabricatie: SR CEI 60502-1  
 Identificare conductori conf. HD 308  
 Utilizare: in instalatii fixe exterioare ingropate in pamant sau sub tencuiala.  
 Culoarea mantalei: negru, gri  
 Ambalare: colaci de 100, tamburi din lemn.  
 Rezistenta la propagarea flacarii conf. SR CEI 60332.1

## Technical specification

Rated voltage: 0,6/1 KV  
 Operating temperature: min. -40 °C max. +70 °C  
 Min. temperature:  
 – with installation and handling: +4 °C  
 – storage: -40 °C  
 Max. storage temperature: +40 °C  
 Manufacturing standard: SR CEI 60502-1  
 Core identification acc. to HD 308  
 Use: for fixed outdoor installations in ground or in concrete.  
 Colour of sheath: black, grey  
 Standard packing: coils 100, drums, one-way reels  
 Flame retardation according to SR CEI 60332.1

| Nr. conductori x sectiunea<br>Cores no x cross-section<br>(n x mm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolatie<br>Insulation thickness<br>(mm) | Grosime manta<br>Outer sheath thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor resistance<br>(ohm/km) | Sarcina<br>Current carrying Capacity<br>(A) |
|----------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------|-------------------------------|----------------------------------------------------------|---------------------------------------------|
| <b>CYY-F</b>                                                                     |                                    |                                                  |                                                 |                                             |                               |                                                          |                                             |
| 1X1.5                                                                            | ru                                 | 0.8                                              | 1.4                                             | 5.7                                         | 51                            | 12.1000                                                  | 23                                          |
| 1X2.5                                                                            | ru                                 | 0.8                                              | 1.4                                             | 6.1                                         | 63                            | 7.4100                                                   | 32                                          |
| 1X4                                                                              | ru                                 | 1                                                | 1.4                                             | 6.9                                         | 87                            | 4.6200                                                   | 42                                          |
| 1X6                                                                              | ru                                 | 1                                                | 1.4                                             | 7.4                                         | 110                           | 3.0800                                                   | 53                                          |

| Nr. conductori x<br>secțiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolație<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistență max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcină<br>Current<br>carrying<br>Capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 1X10                                                                    | ru                                       | 1                                                      | 1.4                                                   | 8.1                                               | 151                           | 1.8300                                                      | 74                                                |
| 1X16                                                                    | ru                                       | 1                                                      | 1.4                                                   | 9.1                                               | 215                           | 1.1500                                                      | 105                                               |
| 1X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 12.5                                              | 365                           | 0.7270                                                      | 146                                               |
| 1X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 13.5                                              | 449                           | 0.5240                                                      | 185                                               |
| 1X50                                                                    | rm                                       | 1.4                                                    | 1.8                                                   | 15.5                                              | 616                           | 0.3870                                                      | 219                                               |
| 1X70                                                                    | rm                                       | 1.4                                                    | 1.8                                                   | 17.3                                              | 834                           | 0.2680                                                      | 281                                               |
| 1X95                                                                    | rm                                       | 1.6                                                    | 1.8                                                   | 19.3                                              | 1068                          | 0.1930                                                      | 341                                               |
| 1X120                                                                   | rm                                       | 1.6                                                    | 1.8                                                   | 21.1                                              | 1338                          | 0.1530                                                      | 396                                               |
| 1X150                                                                   | rm                                       | 1.8                                                    | 1.8                                                   | 23.0                                              | 1603                          | 0.1240                                                      | 456                                               |
| 1X185                                                                   | rm                                       | 2                                                      | 1.8                                                   | 25.2                                              | 1963                          | 0.0991                                                      | 521                                               |
| 1X240                                                                   | rm                                       | 2.2                                                    | 1.9                                                   | 28.5                                              | 2571                          | 0.0754                                                      | 615                                               |
| 2X1.5                                                                   | ru                                       | 0.8                                                    | 1.4                                                   | 9.3                                               | 133                           | 12.1000                                                     | 23                                                |
| 2X2.5                                                                   | ru                                       | 0.8                                                    | 1.4                                                   | 10.0                                              | 168                           | 7.4100                                                      | 32                                                |
| 2X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 12.8                                              | 273                           | 4.6200                                                      | 42                                                |
| 2X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 13.8                                              | 338                           | 3.0800                                                      | 53                                                |
| 2X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 15.3                                              | 452                           | 1.8300                                                      | 74                                                |
| 2X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 17.2                                              | 624                           | 1.1500                                                      | 88                                                |
| 2X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 22.4                                              | 1025                          | 0.7270                                                      | 101                                               |
| 3X1.5                                                                   | ru                                       | 0.8                                                    | 1.4                                                   | 9.7                                               | 154                           | 12.1000                                                     | 23                                                |
| 3X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 11.8                                              | 233                           | 7.4100                                                      | 32                                                |
| 3X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 13.5                                              | 322                           | 4.6200                                                      | 42                                                |
| 3X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 14.5                                              | 406                           | 3.0800                                                      | 53                                                |
| 3X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 16.2                                              | 554                           | 1.8300                                                      | 74                                                |
| 3X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 18.2                                              | 780                           | 1.1500                                                      | 80                                                |
| 3X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 23.9                                              | 1278                          | 0.7270                                                      | 101                                               |
| 3X25/16                                                                 | rm/ru                                    | 1.2                                                    | 1.8                                                   | 26.2                                              | 1552                          | 0.7270                                                      | 101                                               |
| 3X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 25.9                                              | 1578                          | 0.5240                                                      | 126                                               |
| 3X35/16                                                                 | rm/ru                                    | 1.2                                                    | 1.8                                                   | 28.5                                              | 1888                          | 0.5240                                                      | 126                                               |
| 3X50/25                                                                 | sm/rm                                    | 1.4                                                    | 1.8                                                   | 25.6                                              | 1977                          | 0.3870                                                      | 153                                               |
| 3X70/35                                                                 | sm/rm                                    | 1.4                                                    | 1.9                                                   | 28.8                                              | 2688                          | 0.2680                                                      | 196                                               |
| 3X95/50                                                                 | sm/sm                                    | 1.6                                                    | 2.1                                                   | 33.3                                              | 3568                          | 0.1930                                                      | 238                                               |
| 3X120/70                                                                | sm/sm                                    | 1.6                                                    | 2.2                                                   | 36.3                                              | 4525                          | 0.1530                                                      | 276                                               |
| 3X150/70                                                                | sm/sm                                    | 1.8                                                    | 2.4                                                   | 40.5                                              | 5432                          | 0.1240                                                      | 319                                               |
| 3X185/95                                                                | sm/sm                                    | 2                                                      | 2.5                                                   | 44.6                                              | 6721                          | 0.0991                                                      | 364                                               |
| 3X240/120                                                               | sm/sm                                    | 2.2                                                    | 2.7                                                   | 50.2                                              | 8754                          | 0.0754                                                      | 430                                               |
| 4X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 11.7                                              | 219                           | 12.1000                                                     | 23                                                |
| 4X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 12.6                                              | 278                           | 7.4100                                                      | 32                                                |
| 4X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 14.5                                              | 390                           | 4.6200                                                      | 42                                                |
| 4X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 15.7                                              | 496                           | 3.0800                                                      | 53                                                |
| 4X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 17.5                                              | 685                           | 1.8300                                                      | 74                                                |
| 4X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 19.8                                              | 976                           | 1.1500                                                      | 80                                                |
| 4X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 26.2                                              | 1603                          | 0.7270                                                      | 101                                               |
| 4X25/16                                                                 | rm/ru                                    | 1.2                                                    | 1.9                                                   | 28.9                                              | 1922                          | 0.7270                                                      | 101                                               |
| 4X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 28.5                                              | 1989                          | 0.5240                                                      | 126                                               |
| 4X35/16                                                                 | rm/ru                                    | 1.2                                                    | 2.0                                                   | 31.7                                              | 2367                          | 0.5240                                                      | 126                                               |
| 4X50                                                                    | sm                                       | 1.4                                                    | 1.8                                                   | 25.6                                              | 2130                          | 0.3870                                                      | 153                                               |
| 4X70                                                                    | sm                                       | 1.4                                                    | 1.9                                                   | 28.8                                              | 2933                          | 0.2680                                                      | 196                                               |
| 4X95                                                                    | sm                                       | 1.6                                                    | 2.1                                                   | 33.3                                              | 3863                          | 0.1930                                                      | 238                                               |
| 4X120                                                                   | sm                                       | 1.6                                                    | 2.2                                                   | 36.3                                              | 4858                          | 0.1530                                                      | 276                                               |
| 4X150                                                                   | sm                                       | 1.8                                                    | 2.4                                                   | 40.5                                              | 5935                          | 0.1240                                                      | 319                                               |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>Capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 4X185                                                                   | sm                                       | 2                                                      | 2.5                                                   | 44.6                                              | 7311                          | 0.0991                                                      | 364                                               |
| 4X240                                                                   | sm                                       | 2.2                                                    | 2.7                                                   | 50.2                                              | 9559                          | 0.0754                                                      | 430                                               |
| 5X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 12.5                                              | 256                           | 12.1000                                                     | 21                                                |
| 5X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 13.6                                              | 327                           | 7.4100                                                      | 30                                                |
| 5X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 15.7                                              | 464                           | 4.6200                                                      | 42                                                |
| 5X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 17.0                                              | 595                           | 3.0800                                                      | 53                                                |
| 5X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 19.0                                              | 828                           | 1.8300                                                      | 74                                                |
| 5X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 21.6                                              | 1187                          | 1.1500                                                      | 80                                                |
| 5X25                                                                    | rm                                       | 1.2                                                    | 1.9                                                   | 28.9                                              | 1973                          | 0.7270                                                      | 101                                               |
| 5X35                                                                    | rm                                       | 1.2                                                    | 2.0                                                   | 31.7                                              | 2468                          | 0.5240                                                      | 175                                               |
| <b>CYEY-F</b>                                                           |                                          |                                                        |                                                       |                                                   |                               |                                                             |                                                   |
| 1X10                                                                    | ru                                       | 1                                                      | 1.4                                                   | 8.1                                               | 172                           | 1.8300                                                      | 74                                                |
| 1X16                                                                    | ru                                       | 1                                                      | 1.4                                                   | 9.1                                               | 239                           | 1.1500                                                      | 105                                               |
| 1X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 12.5                                              | 398                           | 0.7270                                                      | 146                                               |
| 1X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 13.5                                              | 486                           | 0.5240                                                      | 185                                               |
| 1X50                                                                    | rm                                       | 1.4                                                    | 1.8                                                   | 15.5                                              | 660                           | 0.3870                                                      | 219                                               |
| 1X70                                                                    | rm                                       | 1.4                                                    | 1.8                                                   | 17.3                                              | 884                           | 0.2680                                                      | 281                                               |
| 1X95                                                                    | rm                                       | 1.6                                                    | 1.8                                                   | 19.3                                              | 1126                          | 0.1930                                                      | 341                                               |
| 1X120                                                                   | rm                                       | 1.6                                                    | 1.8                                                   | 21.1                                              | 1402                          | 0.1530                                                      | 396                                               |
| 1X150                                                                   | rm                                       | 1.8                                                    | 1.8                                                   | 23.0                                              | 1674                          | 0.1240                                                      | 456                                               |
| 1X185                                                                   | rm                                       | 2                                                      | 1.8                                                   | 25.2                                              | 2042                          | 0.0991                                                      | 521                                               |
| 1X240                                                                   | rm                                       | 2.2                                                    | 1.9                                                   | 28.5                                              | 2661                          | 0.0754                                                      | 615                                               |
| 2X1.5                                                                   | ru                                       | 0.8                                                    | 1.4                                                   | 9.3                                               | 158                           | 12.1000                                                     | 23                                                |
| 2X2.5                                                                   | ru                                       | 0.8                                                    | 1.4                                                   | 10.0                                              | 195                           | 7.4100                                                      | 32                                                |
| 2X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 12.8                                              | 308                           | 4.6200                                                      | 42                                                |
| 2X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 13.8                                              | 376                           | 3.0800                                                      | 53                                                |
| 2X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 15.3                                              | 495                           | 1.8300                                                      | 74                                                |
| 2X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 17.2                                              | 674                           | 1.1500                                                      | 88                                                |
| 2X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 22.4                                              | 1094                          | 0.7270                                                      | 101                                               |
| 3X1.5                                                                   | ru                                       | 0.8                                                    | 1.4                                                   | 9.7                                               | 181                           | 12.1000                                                     | 23                                                |
| 3X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 11.8                                              | 263                           | 7.4100                                                      | 32                                                |
| 3X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 13.5                                              | 359                           | 4.6200                                                      | 42                                                |
| 3X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 14.5                                              | 447                           | 3.0800                                                      | 53                                                |
| 3X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 16.2                                              | 600                           | 1.8300                                                      | 74                                                |
| 3X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 18.2                                              | 834                           | 1.1500                                                      | 80                                                |
| 3X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 23.9                                              | 1352                          | 0.7270                                                      | 101                                               |
| 3X25/16                                                                 | rm/ru                                    | 1.2                                                    | 1.8                                                   | 26.2                                              | 1634                          | 0.7270                                                      | 101                                               |
| 3X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 25.9                                              | 1660                          | 0.5240                                                      | 126                                               |
| 3X35/16                                                                 | rm/ru                                    | 1.2                                                    | 1.8                                                   | 28.5                                              | 1978                          | 0.5240                                                      | 126                                               |
| 3X50/25                                                                 | sm/rm                                    | 1.4                                                    | 1.8                                                   | 25.6                                              | 2058                          | 0.3870                                                      | 153                                               |
| 3X50                                                                    | sm                                       | 1.4                                                    | 1.8                                                   | 23.4                                              | 1739                          | 0.3870                                                      | 153                                               |
| 3X70/35                                                                 | sm/rm                                    | 1.4                                                    | 1.9                                                   | 28.8                                              | 2779                          | 0.2680                                                      | 196                                               |
| 3X70                                                                    | sm                                       | 1.4                                                    | 1.8                                                   | 26.0                                              | 2348                          | 0.2680                                                      | 196                                               |
| 3X95/50                                                                 | sm/sm                                    | 1.6                                                    | 2.1                                                   | 33.3                                              | 3674                          | 0.1930                                                      | 238                                               |
| 3X120/70                                                                | sm/sm                                    | 1.6                                                    | 2.2                                                   | 36.3                                              | 4641                          | 0.1530                                                      | 276                                               |
| 3X150/70                                                                | sm/sm                                    | 1.8                                                    | 2.4                                                   | 40.5                                              | 5562                          | 0.1240                                                      | 319                                               |
| 3X185/95                                                                | sm/sm                                    | 2                                                      | 2.5                                                   | 44.6                                              | 6864                          | 0.0991                                                      | 364                                               |
| 3X240/120                                                               | sm/sm                                    | 2.2                                                    | 2.7                                                   | 50.2                                              | 8916                          | 0.0754                                                      | 430                                               |
| 4X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 11.7                                              | 250                           | 12.1000                                                     | 23                                                |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>Capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 4X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 12.6                                              | 311                           | 7.4100                                                      | 32                                                |
| 4X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 14.5                                              | 430                           | 4.6200                                                      | 42                                                |
| 4X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 15.7                                              | 541                           | 3.0800                                                      | 53                                                |
| 4X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 17.5                                              | 736                           | 1.8300                                                      | 74                                                |
| 4X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 19.8                                              | 1035                          | 1.1500                                                      | 80                                                |
| 4X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 26.2                                              | 1685                          | 0.7270                                                      | 101                                               |
| 4X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 28.5                                              | 2079                          | 0.5240                                                      | 126                                               |
| 4X50                                                                    | sm                                       | 1.4                                                    | 1.8                                                   | 25.6                                              | 2211                          | 0.3870                                                      | 153                                               |
| 4X70                                                                    | sm                                       | 1.4                                                    | 1.9                                                   | 28.8                                              | 3024                          | 0.2680                                                      | 196                                               |
| 4X95                                                                    | sm                                       | 1.6                                                    | 2.1                                                   | 33.3                                              | 3969                          | 0.1930                                                      | 238                                               |
| 4X120                                                                   | sm                                       | 1.6                                                    | 2.2                                                   | 36.3                                              | 4973                          | 0.1530                                                      | 276                                               |
| 4X150                                                                   | sm                                       | 1.8                                                    | 2.4                                                   | 40.5                                              | 6065                          | 0.1240                                                      | 319                                               |
| 4X185                                                                   | sm                                       | 2                                                      | 2.5                                                   | 44.6                                              | 7455                          | 0.0991                                                      | 364                                               |
| 4X240                                                                   | sm                                       | 2.2                                                    | 2.7                                                   | 50.2                                              | 9721                          | 0.0754                                                      | 430                                               |
| 5X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 12.5                                              | 289                           | 12.1000                                                     | 21                                                |
| 5X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 13.6                                              | 364                           | 7.4100                                                      | 30                                                |
| 5X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 15.7                                              | 509                           | 4.6200                                                      | 42                                                |
| 5X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 17.0                                              | 644                           | 3.0800                                                      | 53                                                |
| 5X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 19.0                                              | 885                           | 1.8300                                                      | 74                                                |
| 5X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 21.6                                              | 1253                          | 1.1500                                                      | 80                                                |
| 5X25                                                                    | rm                                       | 1.2                                                    | 1.9                                                   | 28.9                                              | 2064                          | 0.7270                                                      | 101                                               |
| 5X35                                                                    | rm                                       | 1.2                                                    | 2.0                                                   | 31.7                                              | 2568                          | 0.5240                                                      | 175                                               |
| <b>CYEABY-F</b>                                                         |                                          |                                                        |                                                       |                                                   |                               |                                                             |                                                   |
| 1X10                                                                    | ru                                       | 1                                                      | 1.6                                                   | 11.4                                              | 292                           | 1.8300                                                      | 74                                                |
| 1X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 12.7                                              | 384                           | 1.1500                                                      | 105                                               |
| 1X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 15.3                                              | 557                           | 0.7270                                                      | 146                                               |
| 1X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 16.3                                              | 657                           | 0.5240                                                      | 185                                               |
| 1X50                                                                    | rm                                       | 1.4                                                    | 1.8                                                   | 18.3                                              | 856                           | 0.3870                                                      | 219                                               |
| 1X70                                                                    | rm                                       | 1.4                                                    | 1.8                                                   | 20.1                                              | 1103                          | 0.2680                                                      | 281                                               |
| 1X95                                                                    | rm                                       | 1.6                                                    | 1.8                                                   | 22.1                                              | 1370                          | 0.1930                                                      | 341                                               |
| 1X120                                                                   | rm                                       | 1.6                                                    | 1.8                                                   | 23.9                                              | 1668                          | 0.1530                                                      | 396                                               |
| 1X150                                                                   | rm                                       | 1.8                                                    | 1.8                                                   | 25.8                                              | 1963                          | 0.1240                                                      | 456                                               |
| 1X185                                                                   | rm                                       | 2                                                      | 1.9                                                   | 28.2                                              | 2372                          | 0.0991                                                      | 521                                               |
| 1X240                                                                   | rm                                       | 2.2                                                    | 1.9                                                   | 31.3                                              | 3018                          | 0.0754                                                      | 615                                               |
| 2X1.5                                                                   | ru                                       | 0.8                                                    | 1.5                                                   | 12.0                                              | 276                           | 12.1000                                                     | 23                                                |
| 2X2.5                                                                   | ru                                       | 0.8                                                    | 1.5                                                   | 12.7                                              | 323                           | 7.4100                                                      | 32                                                |
| 2X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 15.1                                              | 448                           | 4.6200                                                      | 42                                                |
| 2X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 16.1                                              | 528                           | 3.0800                                                      | 53                                                |
| 2X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 17.6                                              | 664                           | 1.8300                                                      | 74                                                |
| 2X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 19.5                                              | 864                           | 1.1500                                                      | 88                                                |
| 2X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 24.7                                              | 1343                          | 0.7270                                                      | 101                                               |
| 3X1.5                                                                   | ru                                       | 0.8                                                    | 1.5                                                   | 12.4                                              | 305                           | 12.1000                                                     | 23                                                |
| 3X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 14.1                                              | 393                           | 7.4100                                                      | 32                                                |
| 3X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 15.8                                              | 507                           | 4.6200                                                      | 42                                                |
| 3X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 16.8                                              | 607                           | 3.0800                                                      | 53                                                |
| 3X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 18.5                                              | 779                           | 1.8300                                                      | 74                                                |
| 3X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 20.5                                              | 1036                          | 1.1500                                                      | 80                                                |
| 3X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 26.2                                              | 1617                          | 0.7270                                                      | 101                                               |
| 3X25/16                                                                 | rm/ru                                    | 1.2                                                    | 1.8                                                   | 28.5                                              | 1925                          | 0.7270                                                      | 101                                               |



| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>Capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 3X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 28.2                                              | 1948                          | 0.5240                                                      | 126                                               |
| 3X35/16                                                                 | rm/ru                                    | 1.2                                                    | 1.9                                                   | 31.0                                              | 2310                          | 0.5240                                                      | 126                                               |
| 3X50/25                                                                 | sm/rm                                    | 1.4                                                    | 1.8                                                   | 28.4                                              | 2380                          | 0.3870                                                      | 153                                               |
| 3X50                                                                    | sm                                       | 1.4                                                    | 1.8                                                   | 26.2                                              | 2035                          | 0.3870                                                      | 153                                               |
| 3X70/35                                                                 | sm/rm                                    | 1.4                                                    | 1.9                                                   | 32.0                                              | 3174                          | 0.2680                                                      | 196                                               |
| 3X70                                                                    | sm                                       | 1.4                                                    | 1.8                                                   | 28.8                                              | 2676                          | 0.2680                                                      | 196                                               |
| 3X95/50                                                                 | sm/sm                                    | 1.6                                                    | 2.3                                                   | 36.9                                              | 4162                          | 0.1930                                                      | 238                                               |
| 3X120/70                                                                | sm/sm                                    | 1.6                                                    | 2.4                                                   | 39.9                                              | 5171                          | 0.1530                                                      | 276                                               |
| 3X150/70                                                                | sm/sm                                    | 1.8                                                    | 2.5                                                   | 44.3                                              | 6174                          | 0.1240                                                      | 319                                               |
| 3X185/95                                                                | sm/sm                                    | 2                                                      | 2.7                                                   | 48.6                                              | 7562                          | 0.0991                                                      | 364                                               |
| 3X240/120                                                               | sm/sm                                    | 2.2                                                    | 2.9                                                   | 54.2                                              | 9698                          | 0.0754                                                      | 430                                               |
| 4X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 14.0                                              | 378                           | 12.1000                                                     | 23                                                |
| 4X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 14.9                                              | 450                           | 7.4100                                                      | 32                                                |
| 4X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 16.8                                              | 590                           | 4.6200                                                      | 42                                                |
| 4X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 18.0                                              | 715                           | 3.0800                                                      | 53                                                |
| 4X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 19.8                                              | 931                           | 1.8300                                                      | 74                                                |
| 4X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 22.1                                              | 1255                          | 1.1500                                                      | 80                                                |
| 4X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 28.5                                              | 1976                          | 0.7270                                                      | 101                                               |
| 4X35                                                                    | rm                                       | 1.2                                                    | 1.9                                                   | 31.0                                              | 2412                          | 0.5240                                                      | 126                                               |
| 4X50                                                                    | sm                                       | 1.4                                                    | 1.8                                                   | 28.4                                              | 2533                          | 0.3870                                                      | 153                                               |
| 4X70                                                                    | sm                                       | 1.4                                                    | 1.9                                                   | 32.0                                              | 3419                          | 0.2680                                                      | 196                                               |
| 4X95                                                                    | sm                                       | 1.6                                                    | 2.3                                                   | 36.9                                              | 4457                          | 0.1930                                                      | 238                                               |
| 4X120                                                                   | sm                                       | 1.6                                                    | 2.4                                                   | 39.9                                              | 5504                          | 0.1530                                                      | 276                                               |
| 4X150                                                                   | sm                                       | 1.8                                                    | 2.5                                                   | 44.3                                              | 6677                          | 0.1240                                                      | 319                                               |
| 4X185                                                                   | sm                                       | 2                                                      | 2.7                                                   | 48.6                                              | 8152                          | 0.0991                                                      | 364                                               |
| 4X240                                                                   | sm                                       | 2.2                                                    | 2.9                                                   | 54.2                                              | 10502                         | 0.0754                                                      | 430                                               |
| 5X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 14.8                                              | 427                           | 12.1000                                                     | 21                                                |
| 5X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 15.9                                              | 514                           | 7.4100                                                      | 30                                                |
| 5X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 18.0                                              | 682                           | 4.6200                                                      | 42                                                |
| 5X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 19.3                                              | 832                           | 3.0800                                                      | 53                                                |
| 5X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 21.3                                              | 1096                          | 1.8300                                                      | 74                                                |
| 5X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 23.9                                              | 1493                          | 1.1500                                                      | 80                                                |
| 5X25                                                                    | rm                                       | 1.2                                                    | 1.9                                                   | 31.2                                              | 2385                          | 0.7270                                                      | 101                                               |
| 5X35                                                                    | rm                                       | 1.2                                                    | 2.2                                                   | 34.8                                              | 2988                          | 0.5240                                                      | 175                                               |
| <b>CYABY-F</b>                                                          |                                          |                                                        |                                                       |                                                   |                               |                                                             |                                                   |
| 1X10                                                                    | ru                                       | 1                                                      | 1.6                                                   | 11.4                                              | 271                           | 1.8300                                                      | 74                                                |
| 1X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 12.7                                              | 360                           | 1.1500                                                      | 105                                               |
| 1X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 15.3                                              | 524                           | 0.7270                                                      | 146                                               |
| 1X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 16.3                                              | 620                           | 0.5240                                                      | 185                                               |
| 1X50                                                                    | rm                                       | 1.4                                                    | 1.8                                                   | 18.3                                              | 812                           | 0.3870                                                      | 219                                               |
| 1X70                                                                    | rm                                       | 1.4                                                    | 1.8                                                   | 20.1                                              | 1053                          | 0.2680                                                      | 281                                               |
| 1X95                                                                    | rm                                       | 1.6                                                    | 1.8                                                   | 22.1                                              | 1312                          | 0.1930                                                      | 341                                               |
| 1X120                                                                   | rm                                       | 1.6                                                    | 1.8                                                   | 23.9                                              | 1604                          | 0.1530                                                      | 396                                               |
| 1X150                                                                   | rm                                       | 1.8                                                    | 1.8                                                   | 25.8                                              | 1892                          | 0.1240                                                      | 456                                               |
| 1X185                                                                   | rm                                       | 2                                                      | 1.9                                                   | 28.2                                              | 2293                          | 0.0991                                                      | 521                                               |
| 1X240                                                                   | rm                                       | 2.2                                                    | 1.9                                                   | 31.3                                              | 2928                          | 0.0754                                                      | 615                                               |
| 2X1.5                                                                   | ru                                       | 0.8                                                    | 1.5                                                   | 12.0                                              | 252                           | 12.1000                                                     | 23                                                |
| 2X2.5                                                                   | ru                                       | 0.8                                                    | 1.5                                                   | 12.7                                              | 295                           | 7.4100                                                      | 32                                                |
| 2X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 15.1                                              | 414                           | 4.6200                                                      | 42                                                |

| Nr. conductori x<br>sestiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>Capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 2X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 16.1                                              | 490                           | 3.0800                                                      | 53                                                |
| 2X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 17.6                                              | 621                           | 1.8300                                                      | 74                                                |
| 2X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 19.5                                              | 814                           | 1.1500                                                      | 88                                                |
| 2X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 24.7                                              | 1274                          | 0.7270                                                      | 101                                               |
| 3X1.5                                                                   | ru                                       | 0.8                                                    | 1.5                                                   | 12.4                                              | 278                           | 12.1000                                                     | 23                                                |
| 3X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 14.1                                              | 362                           | 7.4100                                                      | 32                                                |
| 3X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 15.8                                              | 471                           | 4.6200                                                      | 42                                                |
| 3X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 16.8                                              | 566                           | 3.0800                                                      | 53                                                |
| 3X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 18.5                                              | 733                           | 1.8300                                                      | 74                                                |
| 3X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 20.5                                              | 982                           | 1.1500                                                      | 80                                                |
| 3X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 26.2                                              | 1543                          | 0.7270                                                      | 101                                               |
| 3X25/16                                                                 | rm/ru                                    | 1.2                                                    | 1.8                                                   | 28.5                                              | 1843                          | 0.7270                                                      | 101                                               |
| 3X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 28.2                                              | 1867                          | 0.5240                                                      | 126                                               |
| 3X35/16                                                                 | rm/ru                                    | 1.2                                                    | 1.9                                                   | 31.0                                              | 2220                          | 0.5240                                                      | 126                                               |
| 3X50/25                                                                 | sm/rm                                    | 1.4                                                    | 1.8                                                   | 28.4                                              | 2300                          | 0.3870                                                      | 153                                               |
| 3X50                                                                    | sm                                       | 1.4                                                    | 1.8                                                   | 26.2                                              | 1962                          | 0.3870                                                      | 153                                               |
| 3X70/35                                                                 | sm/rm                                    | 1.4                                                    | 1.9                                                   | 32.0                                              | 3083                          | 0.2680                                                      | 196                                               |
| 3X70                                                                    | sm                                       | 1.4                                                    | 1.8                                                   | 28.8                                              | 2594                          | 0.2680                                                      | 196                                               |
| 3X95/50                                                                 | sm/sm                                    | 1.6                                                    | 2.3                                                   | 36.9                                              | 4056                          | 0.1930                                                      | 238                                               |
| 3X120/70                                                                | sm/sm                                    | 1.6                                                    | 2.4                                                   | 39.9                                              | 5055                          | 0.1530                                                      | 276                                               |
| 3X150/70                                                                | sm/sm                                    | 1.8                                                    | 2.5                                                   | 44.3                                              | 6045                          | 0.1240                                                      | 319                                               |
| 3X185/95                                                                | sm/sm                                    | 2                                                      | 2.7                                                   | 48.6                                              | 7419                          | 0.0991                                                      | 364                                               |
| 3X240/120                                                               | sm/sm                                    | 2.2                                                    | 2.9                                                   | 54.2                                              | 9536                          | 0.0754                                                      | 430                                               |
| 4X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 14.0                                              | 347                           | 12.1000                                                     | 23                                                |
| 4X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 14.9                                              | 416                           | 7.4100                                                      | 32                                                |
| 4X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 16.8                                              | 550                           | 4.6200                                                      | 42                                                |
| 4X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 18.0                                              | 670                           | 3.0800                                                      | 53                                                |
| 4X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 19.8                                              | 879                           | 1.8300                                                      | 74                                                |
| 4X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 22.1                                              | 1196                          | 1.1500                                                      | 80                                                |
| 4X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                   | 28.5                                              | 1894                          | 0.7270                                                      | 101                                               |
| 4X35                                                                    | rm                                       | 1.2                                                    | 1.9                                                   | 31.0                                              | 2321                          | 0.5240                                                      | 126                                               |
| 4X50                                                                    | sm                                       | 1.4                                                    | 1.8                                                   | 28.4                                              | 2453                          | 0.3870                                                      | 153                                               |
| 4X70                                                                    | sm                                       | 1.4                                                    | 1.9                                                   | 32.0                                              | 3328                          | 0.2680                                                      | 196                                               |
| 4X95                                                                    | sm                                       | 1.6                                                    | 2.3                                                   | 36.9                                              | 4351                          | 0.1930                                                      | 238                                               |
| 4X120                                                                   | sm                                       | 1.6                                                    | 2.4                                                   | 39.9                                              | 5388                          | 0.1530                                                      | 276                                               |
| 4X150                                                                   | sm                                       | 1.8                                                    | 2.5                                                   | 44.3                                              | 6548                          | 0.1240                                                      | 319                                               |
| 4X185                                                                   | sm                                       | 2                                                      | 2.7                                                   | 48.6                                              | 8009                          | 0.0991                                                      | 364                                               |
| 4X240                                                                   | sm                                       | 2.2                                                    | 2.9                                                   | 54.2                                              | 10341                         | 0.0754                                                      | 430                                               |
| 5X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 14.8                                              | 393                           | 12.1000                                                     | 21                                                |
| 5X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                   | 15.9                                              | 476                           | 7.4100                                                      | 30                                                |
| 5X4                                                                     | ru                                       | 1                                                      | 1.8                                                   | 18.0                                              | 637                           | 4.6200                                                      | 42                                                |
| 5X6                                                                     | ru                                       | 1                                                      | 1.8                                                   | 19.3                                              | 783                           | 3.0800                                                      | 53                                                |
| 5X10                                                                    | ru                                       | 1                                                      | 1.8                                                   | 21.3                                              | 1039                          | 1.8300                                                      | 74                                                |
| 5X16                                                                    | ru                                       | 1                                                      | 1.8                                                   | 23.9                                              | 1427                          | 1.1500                                                      | 80                                                |
| 5X25                                                                    | rm                                       | 1.2                                                    | 1.9                                                   | 31.2                                              | 2293                          | 0.7270                                                      | 101                                               |
| 5X35                                                                    | rm                                       | 1.2                                                    | 2.2                                                   | 34.8                                              | 2888                          | 0.5240                                                      | 175                                               |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm – conductor sector multifilar | stranded sector shaped conductor

# ACYY-F, ACYABY-F ACYY, ACYABY

Cabluri de energie cu conductori din aluminiu | Power cable with aluminium conductors



## Construcție

1. Conductor de aluminiu unifilar clasa 1, sau multifilar clasa 2
2. Izolație din PVC
3. Umplutura
- Manta interioară din PVC
- Amatura din banda de oțel
4. Manta exterioară din PVC

## Construction

1. Solid or multiwire aluminium conductor
2. PVC insulation
3. Filler
- Inner PVC sheath
- Armour of steel tape
4. Outer PVC sheath

## Specificația tehnică

Tensiunea nom.: 0,6/1 KV  
 Temperatura de lucru: min. -40 °C max. +70 °C  
 Temperatura minimă:  
 – instalare și manipulare: +4 °C  
 – depozitare: -40 °C  
 Temperatura max. de depozitare: +40 °C  
 Standard de fabricație: SR CEI 60502-1  
 Identificare conductori conf. HD 308  
 Utilizare: în instalații fixe exterioare îngropate în pământ sau sub tencuială.  
 Culoarea mantalei: negru, gri  
 Ambalare: colaci de 100, tamburi din lemn.  
 Rezistența la propagarea flăcării conf. SR CEI 60332.1

## Technical specification

Rated voltage: 0,6/1 KV  
 Operating temperature: min. -40 °C max. +70 °C  
 Min. temperature:  
 – with installation and handling: +4 °C  
 – storage: -40 °C  
 Max. storage temperature: +40 °C  
 Manufacturing standard: SR CEI 60502-1  
 Core identification acc. to HD 308  
 Use: for fixed outdoor installations in ground or in concrete.  
 Colour of sheath: black, grey  
 Standard packing: coils 100, drums, one-way reels  
 Flame retardation according to SR CEI 60332.1

| Nr. conductori x secțiunea<br>Cores no x cross-section<br>(nxmm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolație<br>Insulation thickness<br>(mm) | Grosime manta<br>Outer sheath thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistența max.<br>Max. conductor resistance<br>(ohm/km) | Sarcina<br>Current carrying Capacity<br>(A) |
|--------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------|-------------------------------|----------------------------------------------------------|---------------------------------------------|
| <b>ACYY-F</b>                                                                  |                                    |                                                  |                                                 |                                             |                               |                                                          |                                             |
| 1X10                                                                           | ru                                 | 1.0                                              | 1.8                                             | 8.9                                         | 109                           | 3.1000                                                   | 47                                          |
| 1X16                                                                           | ru                                 | 1.0                                              | 1.8                                             | 9.9                                         | 138                           | 1.9100                                                   | 63                                          |
| 1X25                                                                           | ru                                 | 1.2                                              | 1.8                                             | 11.5                                        | 191                           | 1.2000                                                   | 82                                          |
| 1X35                                                                           | ru                                 | 1.2                                              | 1.8                                             | 12.4                                        | 228                           | 0.8680                                                   | 99                                          |
| 1X50                                                                           | rm                                 | 1.4                                              | 1.8                                             | 15.6                                        | 327                           | 0.6410                                                   | 119                                         |
| 1X70                                                                           | rm                                 | 1.4                                              | 1.8                                             | 17.0                                        | 392                           | 0.4430                                                   | 152                                         |
| 1X95                                                                           | rm                                 | 1.6                                              | 1.8                                             | 19.3                                        | 507                           | 0.3200                                                   | 186                                         |
| 1X120                                                                          | rm                                 | 1.6                                              | 1.8                                             | 21.1                                        | 612                           | 0.2530                                                   | 216                                         |
| 1X150                                                                          | rm                                 | 1.8                                              | 1.8                                             | 23.1                                        | 732                           | 0.2060                                                   | 246                                         |
| 1X185                                                                          | rm                                 | 2.0                                              | 1.8                                             | 25.2                                        | 871                           | 0.1640                                                   | 285                                         |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer<br>sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>Capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 1X240                                                                   | rm                                       | 2.2                                                    | 1.9                                                      | 28.3                                              | 1104                          | 0.1250                                                      | 338                                               |
| 2X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                      | 11.0                                              | 175                           | 0.0000                                                      | 0                                                 |
| 2X4                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 12.8                                              | 225                           | 0.0000                                                      | 27                                                |
| 2X6                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 14.4                                              | 289                           | 0.0000                                                      | 34                                                |
| 2X10                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 15.9                                              | 359                           | 3.1000                                                      | 47                                                |
| 2X16                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 17.8                                              | 460                           | 1.9100                                                      | 63                                                |
| 2X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 21.0                                              | 651                           | 1.2000                                                      | 82                                                |
| 3X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                      | 11.5                                              | 193                           | 0.0000                                                      | 0                                                 |
| 3X4                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 14.1                                              | 273                           | 0.0000                                                      | 27                                                |
| 3X6                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 15.1                                              | 322                           | 0.0000                                                      | 34                                                |
| 3X10                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 16.8                                              | 404                           | 3.1000                                                      | 47                                                |
| 3X16                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 18.8                                              | 521                           | 1.9100                                                      | 63                                                |
| 3X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 22.3                                              | 744                           | 1.2000                                                      | 82                                                |
| 3X25+16                                                                 | ru/ru                                    | 1.2                                                    | 1.8                                                      | 24.3                                              | 892                           | 1.2000                                                      | 63                                                |
| 3X35                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 24.2                                              | 895                           | 0.8680                                                      | 99                                                |
| 3X35+16                                                                 | ru/ru                                    | 1.2                                                    | 1.8                                                      | 26.5                                              | 1072                          | 0.8680                                                      | 63                                                |
| 3X50+25                                                                 | sm/ru                                    | 1.4                                                    | 1.8                                                      | 25.6                                              | 912                           | 0.6410                                                      | 82                                                |
| 3X70+35                                                                 | sm/ru                                    | 1.4                                                    | 1.9                                                      | 28.8                                              | 1159                          | 0.4430                                                      | 99                                                |
| 3X95+50                                                                 | sm/sm                                    | 1.6                                                    | 2.1                                                      | 33.3                                              | 1557                          | 0.3200                                                      | 119                                               |
| 3X120+70                                                                | sm/sm                                    | 1.6                                                    | 2.2                                                      | 36.3                                              | 1874                          | 0.2530                                                      | 152                                               |
| 3X150+70                                                                | sm/sm                                    | 1.8                                                    | 2.4                                                      | 40.5                                              | 2319                          | 0.2060                                                      | 152                                               |
| 3X185+95                                                                | sm/sm                                    | 2.0                                                    | 2.5                                                      | 44.6                                              | 2814                          | 0.1640                                                      | 186                                               |
| 3X240+120                                                               | sm/sm                                    | 2.2                                                    | 2.7                                                      | 50.2                                              | 3578                          | 0.1250                                                      | 216                                               |
| 4X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                      | 12.3                                              | 224                           | 0.0000                                                      | 0                                                 |
| 4X4                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 15.1                                              | 318                           | 0.0000                                                      | 27                                                |
| 4X6                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 16.3                                              | 378                           | 0.0000                                                      | 34                                                |
| 4X10                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 18.1                                              | 478                           | 3.1000                                                      | 47                                                |
| 4X16                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 20.4                                              | 623                           | 1.9100                                                      | 63                                                |
| 4X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 24.3                                              | 897                           | 1.2000                                                      | 82                                                |
| 4X35                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 26.5                                              | 1084                          | 0.8680                                                      | 99                                                |
| 4X50                                                                    | sm                                       | 1.4                                                    | 1.8                                                      | 25.6                                              | 940                           | 0.6410                                                      | 119                                               |
| 4X70                                                                    | sm                                       | 1.4                                                    | 1.9                                                      | 28.8                                              | 1197                          | 0.4430                                                      | 152                                               |
| 4X95                                                                    | sm                                       | 1.6                                                    | 2.1                                                      | 33.3                                              | 1579                          | 0.3200                                                      | 186                                               |
| 4X120                                                                   | sm                                       | 1.6                                                    | 2.2                                                      | 36.3                                              | 1902                          | 0.2530                                                      | 216                                               |
| 4X150                                                                   | sm                                       | 1.8                                                    | 2.4                                                      | 40.5                                              | 2364                          | 0.2060                                                      | 246                                               |
| 4X185                                                                   | sm                                       | 2.0                                                    | 2.4                                                      | 41.2                                              | 2505                          | 0.1640                                                      | 285                                               |
| 4X240                                                                   | sm                                       | 2.2                                                    | 2.5                                                      | 45.8                                              | 3123                          | 0.1250                                                      | 338                                               |
| 5X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                      | 13.8                                              | 284                           | 0.0000                                                      | 0                                                 |
| 5X4                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 16.3                                              | 370                           | 0.0000                                                      | 27                                                |
| 5X6                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 17.6                                              | 442                           | 0.0000                                                      | 34                                                |
| 5X10                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 19.6                                              | 563                           | 3.1000                                                      | 47                                                |
| 5X16                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 22.2                                              | 740                           | 1.9100                                                      | 63                                                |
| 5X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 26.5                                              | 1075                          | 1.2000                                                      | 82                                                |
| <b>ACYABY-F</b>                                                         |                                          |                                                        |                                                          |                                                   |                               |                                                             |                                                   |
| 1X10                                                                    | ru                                       | 1.0                                                    | 1.6                                                      | 11.4                                              | 213                           | 3.1000                                                      | 47                                                |
| 1X16                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 12.7                                              | 265                           | 1.9100                                                      | 63                                                |

| Nr. conductori x<br>sestiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer<br>sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>Capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 1X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 14.3                                              | 338                           | 1.2000                                                      | 82                                                |
| 1X35                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 15.2                                              | 385                           | 0.8680                                                      | 99                                                |
| 1X50                                                                    | rm                                       | 1.4                                                    | 1.8                                                      | 18.4                                              | 524                           | 0.6410                                                      | 119                                               |
| 1X70                                                                    | rm                                       | 1.4                                                    | 1.8                                                      | 19.8                                              | 607                           | 0.4430                                                      | 152                                               |
| 1X95                                                                    | rm                                       | 1.6                                                    | 1.8                                                      | 22.1                                              | 751                           | 0.3200                                                      | 186                                               |
| 1X120                                                                   | rm                                       | 1.6                                                    | 1.8                                                      | 23.9                                              | 878                           | 0.2530                                                      | 216                                               |
| 1X150                                                                   | rm                                       | 1.8                                                    | 1.8                                                      | 25.9                                              | 1022                          | 0.2060                                                      | 246                                               |
| 1X185                                                                   | rm                                       | 2.0                                                    | 1.9                                                      | 28.2                                              | 1201                          | 0.1640                                                      | 285                                               |
| 1X240                                                                   | rm                                       | 2.2                                                    | 1.9                                                      | 31.1                                              | 1459                          | 0.1250                                                      | 338                                               |
| 2X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                      | 13.3                                              | 300                           | 0.0000                                                      | 0                                                 |
| 2X4                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 15.1                                              | 366                           | 0.0000                                                      | 27                                                |
| 2X6                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 16.4                                              | 434                           | 0.0000                                                      | 34                                                |
| 2X10                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 17.9                                              | 520                           | 3.1000                                                      | 47                                                |
| 2X16                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 19.8                                              | 641                           | 1.9100                                                      | 63                                                |
| 2X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 23.0                                              | 865                           | 1.2000                                                      | 82                                                |
| 3X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                      | 13.8                                              | 324                           | 0.0000                                                      | 0                                                 |
| 3X4                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 16.1                                              | 415                           | 0.0000                                                      | 27                                                |
| 3X6                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 17.1                                              | 475                           | 0.0000                                                      | 34                                                |
| 3X10                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 18.8                                              | 573                           | 3.1000                                                      | 47                                                |
| 3X16                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 20.8                                              | 713                           | 1.9100                                                      | 63                                                |
| 3X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 24.3                                              | 972                           | 1.2000                                                      | 82                                                |
| 3X25+16                                                                 | ru/ru                                    | 1.2                                                    | 1.8                                                      | 26.3                                              | 1141                          | 1.2000                                                      | 63                                                |
| 3X35                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 26.2                                              | 1143                          | 0.8680                                                      | 99                                                |
| 3X35+16                                                                 | ru/ru                                    | 1.2                                                    | 1.8                                                      | 28.5                                              | 1344                          | 0.8680                                                      | 63                                                |
| 3X50+25                                                                 | sm/ru                                    | 1.4                                                    | 1.8                                                      | 28.4                                              | 1234                          | 0.6410                                                      | 82                                                |
| 3X70+35                                                                 | sm/ru                                    | 1.4                                                    | 1.9                                                      | 32.0                                              | 1554                          | 0.4430                                                      | 99                                                |
| 3X95+50                                                                 | sm/sm                                    | 1.6                                                    | 2.3                                                      | 36.9                                              | 2046                          | 0.3200                                                      | 119                                               |
| 3X120+70                                                                | sm/sm                                    | 1.6                                                    | 2.4                                                      | 39.9                                              | 2405                          | 0.2530                                                      | 152                                               |
| 3X150+70                                                                | sm/sm                                    | 1.8                                                    | 2.5                                                      | 44.3                                              | 2932                          | 0.2060                                                      | 152                                               |
| 3X185+95                                                                | sm/sm                                    | 2.0                                                    | 2.7                                                      | 48.6                                              | 3512                          | 0.1640                                                      | 186                                               |
| 3X240+120                                                               | sm/sm                                    | 2.2                                                    | 2.9                                                      | 54.2                                              | 4360                          | 0.1250                                                      | 216                                               |
| 4X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                      | 14.6                                              | 365                           | 0.0000                                                      | 0                                                 |
| 4X4                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 17.1                                              | 471                           | 0.0000                                                      | 27                                                |
| 4X6                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 18.3                                              | 543                           | 0.0000                                                      | 34                                                |
| 4X10                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 20.1                                              | 662                           | 3.1000                                                      | 47                                                |
| 4X16                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 22.4                                              | 831                           | 1.9100                                                      | 63                                                |
| 4X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 26.3                                              | 1146                          | 1.2000                                                      | 82                                                |
| 4X35                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 28.5                                              | 1356                          | 0.8680                                                      | 99                                                |
| 4X50                                                                    | sm                                       | 1.4                                                    | 1.8                                                      | 28.4                                              | 1263                          | 0.6410                                                      | 119                                               |
| 4X70                                                                    | sm                                       | 1.4                                                    | 1.9                                                      | 32.0                                              | 1592                          | 0.4430                                                      | 152                                               |
| 4X95                                                                    | sm                                       | 1.6                                                    | 2.3                                                      | 36.9                                              | 2067                          | 0.3200                                                      | 186                                               |
| 4X120                                                                   | sm                                       | 1.6                                                    | 2.4                                                      | 39.9                                              | 2433                          | 0.2530                                                      | 216                                               |
| 4X150                                                                   | sm                                       | 1.8                                                    | 2.5                                                      | 44.3                                              | 2976                          | 0.2060                                                      | 246                                               |
| 4X240                                                                   | sm                                       | 2.2                                                    | 2.7                                                      | 49.8                                              | 3839                          | 0.1250                                                      | 338                                               |
| 5X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                      | 15.8                                              | 428                           | 0.0000                                                      | 0                                                 |
| 5X4                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 18.3                                              | 535                           | 0.0000                                                      | 27                                                |
| 5X6                                                                     | ru                                       | 1.0                                                    | 1.8                                                      | 19.6                                              | 621                           | 0.0000                                                      | 34                                                |
| 5X10                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 21.6                                              | 763                           | 3.1000                                                      | 47                                                |
| 5X16                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 24.2                                              | 967                           | 1.9100                                                      | 63                                                |

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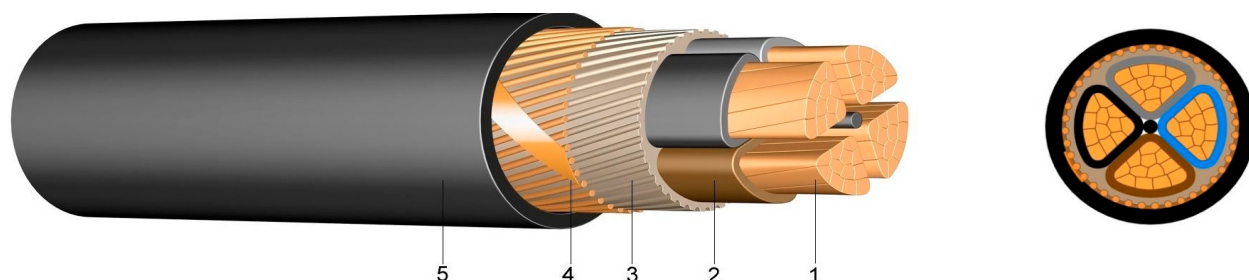
|      |    |     |     |      |      |        |    |
|------|----|-----|-----|------|------|--------|----|
| 5X25 | ru | 1.2 | 1.8 | 28.5 | 1347 | 1.2000 | 82 |
|------|----|-----|-----|------|------|--------|----|

**ru** – conductor rotund unifilar | round solid conductor  
**rm** – conductor rotund multifilar | round stranded conductor  
**sm** –conductor sector multifilar | stranded sector shaped conductor



## NYY, NYCY

Cabluri de energie pentru instalatii fixe | Power cables for fixed installation



### Construcție

1. Conductor de cupru unifilar clasa 1, sau multifilar clasa 2
2. Izolație din PVC
3. Umplutura
4. Conductor concentric din sirme de cupru rotunde, cu contraspira din banda de cupru
5. Manta exterioara din PVC

### Construction

1. Solid or multiwire copper conductor
2. PVC insulation
3. Filler
4. Concentric conductor of round copper wires, outer layer with copper tape
5. Outer PVC sheath

### Specificația tehnică

Tensiunea nom.: 0,6/1 KV  
 Temperatura de lucru: min. -40 °C max. +70 °C  
 Temperatura minima:  
 – instalare și manipulare: +4 °C  
 – depozitare: -40 °C  
 Temperatura max. de depozitare: +40 °C  
 Standard de fabricație: DIN VDE 0276-603/1.2005  
 Identificare conductori conf. VDE 0293, HD 308  
 Utilizare: în instalații fixe exterioare îngropate în pământ sau sub tencuială.  
 Culoarea mantalei: negru  
 Ambalare: colaci de 100, tamburi din lemn.  
 Rezistența la propagarea flăcării conf. SR CEI 60332.1

### Technical specification

Rated voltage: 0,6/1 KV  
 Operating temperature: min. -40 °C max. +70 °C  
 Min. temperature:  
 – with installation and handling: +4 °C  
 – storage: -40 °C  
 Max. storage temperature: +40 °C  
 Manufacturing standard: DIN VDE 0276-603/1.2005  
 Core identification acc. to VDE 0293, HD 308  
 Use: for fixed outdoor installations in ground or in concrete.  
 Colour of sheath: black  
 Standard packing: coils 100, drums, one-way reels  
 Flame retardation according to IEC 60332-1

| Nr. conductori x secțiunea<br>Cores no x cross-section<br>(nxmm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolație<br>Insulation thickness<br>(mm) | Grosime manta<br>Outer sheath thickness | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistența max.<br>Max. conductor resistance | Sarcina<br>Current carrying capacity<br>(A) |
|--------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|-----------------------------------------|---------------------------------------------|-------------------------------|----------------------------------------------|---------------------------------------------|
| <b>NYN</b>                                                                     |                                    |                                                  |                                         |                                             |                               |                                              |                                             |
| 1X6                                                                            | ru                                 | 1                                                | 1.8                                     | 8.2                                         | 125                           | 3.0800                                       | 53                                          |
| 1X10                                                                           | ru                                 | 1                                                | 1.8                                     | 9.0                                         | 171                           | 1.8300                                       | 74                                          |
| 1X16                                                                           | ru                                 | 1                                                | 1.8                                     | 10.0                                        | 241                           | 1.1500                                       | 105                                         |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatii<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer<br>sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta<br>max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------|---------------------------------------------------|
| 1X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 12.5                                              | 365                           | 0.7270                                                         | 146                                               |
| 1X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 13.7                                              | 470                           | 0.5240                                                         | 185                                               |
| 1X50                                                                    | rm                                       | 1.4                                                    | 1.8                                                      | 15.5                                              | 616                           | 0.3870                                                         | 219                                               |
| 1X70                                                                    | rm                                       | 1.4                                                    | 1.8                                                      | 17.3                                              | 834                           | 0.2680                                                         | 281                                               |
| 1X95                                                                    | rm                                       | 1.6                                                    | 1.8                                                      | 19.7                                              | 1121                          | 0.1930                                                         | 341                                               |
| 1X120                                                                   | rm                                       | 1.6                                                    | 1.8                                                      | 21.3                                              | 1373                          | 0.1530                                                         | 396                                               |
| 1X150                                                                   | rm                                       | 1.8                                                    | 1.8                                                      | 23.3                                              | 1668                          | 0.1240                                                         | 456                                               |
| 1X185                                                                   | rm                                       | 2                                                      | 1.8                                                      | 25.5                                              | 2020                          | 0.0991                                                         | 521                                               |
| 1X240                                                                   | rm                                       | 2.2                                                    | 2.0                                                      | 29.2                                              | 2691                          | 0.0754                                                         | 615                                               |
| 2X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                      | 10.5                                              | 164                           | 12.1000                                                        | 23                                                |
| 2X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                      | 11.2                                              | 201                           | 7.4100                                                         | 32                                                |
| 2X4                                                                     | ru                                       | 1                                                      | 1.8                                                      | 12.8                                              | 273                           | 4.6200                                                         | 42                                                |
| 2X6                                                                     | ru                                       | 1                                                      | 1.8                                                      | 14.4                                              | 362                           | 3.0800                                                         | 53                                                |
| 2X10                                                                    | ru                                       | 1                                                      | 1.8                                                      | 16.0                                              | 487                           | 1.8300                                                         | 74                                                |
| 2X16                                                                    | ru                                       | 1                                                      | 1.8                                                      | 18.0                                              | 674                           | 1.1500                                                         | 88                                                |
| 2X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 23.0                                              | 1065                          | 0.7270                                                         | 101                                               |
| 3X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                      | 10.9                                              | 186                           | 12.1000                                                        | 23                                                |
| 3X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                      | 11.8                                              | 233                           | 7.4100                                                         | 32                                                |
| 3X4                                                                     | ru                                       | 1                                                      | 1.8                                                      | 14.1                                              | 346                           | 4.6200                                                         | 42                                                |
| 3X6                                                                     | ru                                       | 1                                                      | 1.8                                                      | 15.1                                              | 431                           | 3.0800                                                         | 53                                                |
| 3X10                                                                    | ru                                       | 1                                                      | 1.8                                                      | 16.9                                              | 593                           | 1.8300                                                         | 74                                                |
| 3X16                                                                    | ru                                       | 1                                                      | 1.8                                                      | 19.0                                              | 839                           | 1.1500                                                         | 80                                                |
| 3X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 24.5                                              | 1320                          | 0.7270                                                         | 101                                               |
| 3X25/16                                                                 | rm/rm                                    | 1.2                                                    | 1.8                                                      | 26.8                                              | 1603                          | 0.7270                                                         | 101                                               |
| 3X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 27.0                                              | 1698                          | 0.5240                                                         | 126                                               |
| 3X35/16                                                                 | rm/rm                                    | 1.2                                                    | 1.8                                                      | 29.6                                              | 2025                          | 0.5240                                                         | 126                                               |
| 3X50/25                                                                 | sm/rm                                    | 1.4                                                    | 1.8                                                      | 27.2                                              | 2037                          | 0.3870                                                         | 153                                               |
| 3X70/35                                                                 | sm/rm                                    | 1.4                                                    | 2.0                                                      | 30.6                                              | 2833                          | 0.2680                                                         | 196                                               |
| 3X95/50                                                                 | sm/sm                                    | 1.6                                                    | 2.2                                                      | 35.1                                              | 3715                          | 0.1930                                                         | 238                                               |
| 3X120/70                                                                | sm/sm                                    | 1.6                                                    | 2.3                                                      | 38.1                                              | 4692                          | 0.1530                                                         | 276                                               |
| 3X35/16                                                                 | sm/sm                                    | 1.8                                                    | 2.4                                                      | 42.1                                              | 5615                          | 0.1240                                                         | 319                                               |
| 3X185+120                                                               | sm/sm                                    | 2                                                      | 2.6                                                      | 46.4                                              | 7216                          | 0.0991                                                         | 364                                               |
| 3X240+120                                                               | sm/sm                                    | 2.2                                                    | 2.8                                                      | 52.0                                              | 9189                          | 0.0754                                                         | 430                                               |
| 4X1.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                      | 11.7                                              | 219                           | 12.1000                                                        | 23                                                |
| 4X2.5                                                                   | ru                                       | 0.8                                                    | 1.8                                                      | 12.6                                              | 278                           | 7.4100                                                         | 32                                                |
| 4X4                                                                     | ru                                       | 1                                                      | 1.8                                                      | 15.1                                              | 415                           | 4.6200                                                         | 42                                                |
| 4X6                                                                     | ru                                       | 1                                                      | 1.8                                                      | 16.3                                              | 524                           | 3.0800                                                         | 53                                                |
| 4X10                                                                    | ru                                       | 1                                                      | 1.8                                                      | 18.3                                              | 730                           | 1.8300                                                         | 74                                                |
| 4X16                                                                    | ru                                       | 1                                                      | 1.8                                                      | 20.7                                              | 1045                          | 1.1500                                                         | 80                                                |
| 4X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 26.8                                              | 1649                          | 0.7270                                                         | 101                                               |
| 4X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 29.6                                              | 2133                          | 0.5240                                                         | 126                                               |
| 4X50                                                                    | sm/rm                                    | 1.4                                                    | 1.8                                                      | 27.2                                              | 2154                          | 0.3870                                                         | 153                                               |
| 4X70                                                                    | sm/rm                                    | 1.4                                                    | 2.0                                                      | 30.6                                              | 3053                          | 0.2680                                                         | 196                                               |
| 4X95                                                                    | sm/sm                                    | 1.6                                                    | 2.2                                                      | 35.1                                              | 4002                          | 0.1930                                                         | 238                                               |
| 4X120                                                                   | sm/sm                                    | 1.6                                                    | 2.3                                                      | 38.1                                              | 4993                          | 0.1530                                                         | 276                                               |
| 4X150                                                                   | sm/sm                                    | 1.8                                                    | 2.4                                                      | 42.1                                              | 6068                          | 0.1240                                                         | 319                                               |
| 4X185                                                                   | sm/sm                                    | 2                                                      | 2.6                                                      | 46.4                                              | 7616                          | 0.0991                                                         | 364                                               |
| 4X240                                                                   | sm/sm                                    | 2.2                                                    | 2.8                                                      | 52.0                                              | 9981                          | 0.0754                                                         | 430                                               |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(n x mm <sup>2</sup> ) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer<br>sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta<br>max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>capacity<br>(A) |
|----------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------|---------------------------------------------------|
| 5X1.5                                                                                  | ru                                       | 0.8                                                      | 1.8                                                      | 12.5                                              | 256                           | 12.1000                                                        | 21                                                |
| 5X2.5                                                                                  | ru                                       | 0.8                                                      | 1.8                                                      | 14.2                                              | 351                           | 7.4100                                                         | 30                                                |
| 5X4                                                                                    | ru                                       | 1                                                        | 1.8                                                      | 16.3                                              | 491                           | 4.6200                                                         | 42                                                |
| 5X6                                                                                    | ru                                       | 1                                                        | 1.8                                                      | 17.6                                              | 625                           | 3.0800                                                         | 53                                                |
| 5X10                                                                                   | ru                                       | 1                                                        | 1.8                                                      | 19.8                                              | 879                           | 1.8300                                                         | 74                                                |
| 5X16                                                                                   | ru                                       | 1                                                        | 1.8                                                      | 22.5                                              | 1267                          | 1.1500                                                         | 80                                                |
| 5X25                                                                                   | rm                                       | 1.2                                                      | 1.8                                                      | 29.3                                              | 2010                          | 0.7270                                                         | 101                                               |
| 5X35                                                                                   | rm                                       | 1.2                                                      | 2.2                                                      | 33.2                                              | 2673                          | 0.5240                                                         | 175                                               |
| <b>NYCY</b>                                                                            |                                          |                                                          |                                                          |                                                   |                               |                                                                |                                                   |
| 1X10/10                                                                                | ru                                       | 1                                                        | 1.8                                                      | 19.5                                              | 549                           | 1.8300                                                         | 74                                                |
| 1X16/16                                                                                | ru                                       | 1                                                        | 1.8                                                      | 21.5                                              | 696                           | 1.1500                                                         | 105                                               |
| 2X1.5/1.5                                                                              | ru                                       | 0.8                                                      | 1.8                                                      | 14.2                                              | 265                           | 12.1000                                                        | 23                                                |
| 2X2.5/2.5                                                                              | ru                                       | 0.8                                                      | 1.8                                                      | 15.0                                              | 308                           | 7.4100                                                         | 32                                                |
| 2X4/4                                                                                  | ru                                       | 1                                                        | 1.8                                                      | 17.2                                              | 423                           | 4.6200                                                         | 42                                                |
| 2X6/6                                                                                  | ru                                       | 1                                                        | 1.8                                                      | 18.6                                              | 525                           | 3.0800                                                         | 53                                                |
| 2X10/10                                                                                | ru                                       | 1                                                        | 1.8                                                      | 20.6                                              | 694                           | 1.8300                                                         | 74                                                |
| 2X16/16                                                                                | ru                                       | 1                                                        | 1.8                                                      | 23.3                                              | 963                           | 1.1500                                                         | 88                                                |
| 3X1.5/1.5                                                                              | ru                                       | 0.8                                                      | 1.8                                                      | 14.9                                              | 301                           | 12.1000                                                        | 23                                                |
| 3X2.5/2.5                                                                              | ru                                       | 0.8                                                      | 1.8                                                      | 15.9                                              | 360                           | 7.4100                                                         | 32                                                |
| 3X4/4                                                                                  | ru                                       | 1                                                        | 1.8                                                      | 18.3                                              | 500                           | 4.6200                                                         | 42                                                |
| 3X6/6                                                                                  | ru                                       | 1                                                        | 1.8                                                      | 19.5                                              | 604                           | 3.0800                                                         | 53                                                |
| 3X10/10                                                                                | ru                                       | 1                                                        | 1.8                                                      | 22.1                                              | 845                           | 1.8300                                                         | 74                                                |
| 3X16/16                                                                                | ru                                       | 1                                                        | 1.8                                                      | 25.0                                              | 1188                          | 1.1500                                                         | 80                                                |
| 4X1.5/1.5                                                                              | ru                                       | 0.8                                                      | 1.8                                                      | 15.8                                              | 344                           | 12.1000                                                        | 23                                                |
| 4X2.5/2.5                                                                              | ru                                       | 0.8                                                      | 1.8                                                      | 17.1                                              | 429                           | 7.4100                                                         | 32                                                |
| 4X4/4                                                                                  | ru                                       | 1                                                        | 1.8                                                      | 19.4                                              | 585                           | 4.6200                                                         | 42                                                |
| 4X6/6                                                                                  | ru                                       | 1                                                        | 1.8                                                      | 20.8                                              | 715                           | 3.0800                                                         | 53                                                |
| 4X10/10                                                                                | ru                                       | 1                                                        | 1.8                                                      | 23.6                                              | 1008                          | 1.8300                                                         | 74                                                |
| 4X16/16                                                                                | ru                                       | 1                                                        | 1.8                                                      | 26.8                                              | 1444                          | 1.1500                                                         | 80                                                |
| 5X1.5/1.5                                                                              | ru                                       | 0.8                                                      | 1.8                                                      | 15.8                                              | 353                           | 12.1000                                                        | 21                                                |
| 5X2.5/2.5                                                                              | ru                                       | 0.8                                                      | 1.8                                                      | 17.1                                              | 444                           | 7.4100                                                         | 30                                                |
| 5X4/4                                                                                  | ru                                       | 1                                                        | 1.8                                                      | 19.4                                              | 610                           | 4.6200                                                         | 42                                                |
| 5X6/6                                                                                  | ru                                       | 1                                                        | 1.8                                                      | 20.8                                              | 753                           | 3.0800                                                         | 53                                                |
| 5X10/10                                                                                | ru                                       | 1                                                        | 1.8                                                      | 23.6                                              | 1073                          | 1.8300                                                         | 74                                                |
| 5X16/16                                                                                | ru                                       | 1                                                        | 1.8                                                      | 26.8                                              | 1554                          | 1.1500                                                         | 80                                                |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm – conductor sector multifilar | stranded sector shaped conductor

## NAYY , NAYCY

Cabluri de energie cu conductori din aluminiu pentru instalatii fixe | Power cables with aluminium conductors for fixed installation



| Constructie                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Construction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor de aluminiu unifilar clasa 1, sau multifilar clasa 2<br>2. Izolatie din PVC<br>3. Umplutura<br>4. Conductor concentric din sirme de cupru rotunde, cu contraspira din banda de cupru<br>5. Manta exterioara din PVC                                                                                                                                                                                                                                                                                                   | 1. Solid or multiwire aluminium conductor<br>2. PVC insulation<br>3. Filler<br>4. Concentric conductor of round copper wires, outer layer with copper tape<br>5. Outer PVC sheath                                                                                                                                                                                                                                                                                                                     |
| Specificatia tehnica                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Technical specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Tensiunea nom.: 0,6/1 KV<br>Temperatura de lucru: min. -40 °C max. +70 °C<br>Temperatura minima:<br>– instalare si manipulare: +4 °C<br>– depozitare: -40 °C<br>Temperatura max. de depozitare: +40 °C<br>Standard de fabricatie: DIN VDE 0276-603/1.2005<br>Identificare conductori conf. VDE 0293, HD 308<br>Utilizare: in instalatii fixe exterioare ingropate in pamant sau sub tencuiala.<br>Culoarea mantalei: negru<br>Ambalare: colaci de 100, tamburi din lemn.<br>Rezistenta la propagarea flacarii conf. SR CEI 60332.1 | Rated voltage: 0,6/1 KV<br>Operating temperature: min. -40 °C max. +70 °C<br>Min. temperature:<br>– with installation and handling: +4 °C<br>– storage: -40 °C<br>Max. storage temperature: +40 °C<br>Manufacturing standard: DIN VDE 0276-603/1.2005<br>Core identification acc. to VDE 0293, HD 308<br>Use: for fixed outdoor installations in ground or in concrete.<br>Colour of sheath: black<br>Standard packing: coils 100, drums, one-way reels<br>Flame retardation according to IEC 60332-1 |

| Nr. conductori x sectiunea<br>Cores no x cross-section<br>(nxmm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolatie<br>Insulation thickness<br>(mm) | Grosime manta<br>Outer sheath thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor resistance<br>(ohm/km) | Sarcina<br>Current carrying capacity<br>(A) |
|--------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------|-------------------------------|----------------------------------------------------------|---------------------------------------------|
| <b>NAYY</b>                                                                    |                                    |                                                  |                                                 |                                             |                               |                                                          |                                             |
| 1X10                                                                           | ru                                 | 1                                                | 1.8                                             | 9.1                                         | 113                           | 3.1000                                                   | 47                                          |
| 1X16                                                                           | ru                                 | 1                                                | 1.8                                             | 10.0                                        | 141                           | 1.9100                                                   | 63                                          |
| 1X25                                                                           | ru                                 | 1.2                                              | 1.8                                             | 11.5                                        | 193                           | 1.2000                                                   | 82                                          |
| 1X35                                                                           | ru                                 | 1.2                                              | 1.8                                             | 12.6                                        | 235                           | 0.8680                                                   | 99                                          |
| 1X50                                                                           | rm                                 | 1.4                                              | 1.8                                             | 15.6                                        | 327                           | 0.6410                                                   | 119                                         |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatii<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer<br>sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 1X70                                                                    | rm                                       | 1.4                                                    | 1.8                                                      | 17.3                                              | 411                           | 0.4430                                                      | 152                                               |
| 1X95                                                                    | rm                                       | 1.6                                                    | 1.8                                                      | 19.7                                              | 527                           | 0.3200                                                      | 186                                               |
| 1X120                                                                   | rm                                       | 1.6                                                    | 1.8                                                      | 21.1                                              | 612                           | 0.2530                                                      | 216                                               |
| 1X150                                                                   | rm                                       | 1.8                                                    | 1.8                                                      | 23.6                                              | 766                           | 0.2060                                                      | 246                                               |
| 1X185                                                                   | rm                                       | 2                                                      | 1.8                                                      | 25.5                                              | 897                           | 0.1640                                                      | 285                                               |
| 1X240                                                                   | rm                                       | 2.2                                                    | 1.8                                                      | 28.6                                              | 1132                          | 0.1250                                                      | 338                                               |
| 2X10                                                                    | ru                                       | 1                                                      | 1.8                                                      | 16.1                                              | 371                           | 3.1000                                                      | 47                                                |
| 2X16                                                                    | ru                                       | 1                                                      | 1.8                                                      | 18.0                                              | 471                           | 1.9100                                                      | 63                                                |
| 2X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 21.1                                              | 656                           | 1.2000                                                      | 82                                                |
| 3X10                                                                    | ru                                       | 1                                                      | 1.8                                                      | 17.0                                              | 418                           | 3.1000                                                      | 47                                                |
| 3X16                                                                    | ru                                       | 1                                                      | 1.8                                                      | 19.0                                              | 535                           | 1.9100                                                      | 63                                                |
| 3X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 22.4                                              | 750                           | 1.2000                                                      | 82                                                |
| 3X25/16                                                                 | ru/ru                                    | 1.2                                                    | 1.8                                                      | 24.4                                              | 900                           | 1.2000                                                      | 82                                                |
| 3X35                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 24.6                                              | 927                           | 0.8680                                                      | 99                                                |
| 3X35/16                                                                 | ru/ru                                    | 1.2                                                    | 1.8                                                      | 26.9                                              | 1111                          | 0.8680                                                      | 99                                                |
| 3X50/25                                                                 | sm/ru                                    | 1.4                                                    | 1.8                                                      | 27.2                                              | 1045                          | 0.6410                                                      | 119                                               |
| 3X70/35                                                                 | sm/ru                                    | 1.4                                                    | 2.0                                                      | 30.6                                              | 1333                          | 0.4430                                                      | 152                                               |
| 3X95/50                                                                 | sm/sm                                    | 1.6                                                    | 2.2                                                      | 35.1                                              | 1724                          | 0.3200                                                      | 186                                               |
| 3X120/70                                                                | sm/sm                                    | 1.6                                                    | 2.3                                                      | 38.1                                              | 2044                          | 0.2530                                                      | 216                                               |
| 3X150/70                                                                | sm/sm                                    | 1.8                                                    | 2.4                                                      | 42.1                                              | 2502                          | 0.2060                                                      | 246                                               |
| 3X185/120                                                               | sm/sm                                    | 2                                                      | 2.6                                                      | 46.4                                              | 3031                          | 0.1640                                                      | 285                                               |
| 3X240/120                                                               | sm/sm                                    | 2.2                                                    | 2.8                                                      | 52.0                                              | 3817                          | 0.1250                                                      | 338                                               |
| 4X10                                                                    | ru                                       | 1                                                      | 1.8                                                      | 18.4                                              | 495                           | 3.1000                                                      | 47                                                |
| 4X16                                                                    | ru                                       | 1                                                      | 1.8                                                      | 20.7                                              | 639                           | 1.9100                                                      | 63                                                |
| 4X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 24.4                                              | 905                           | 1.2000                                                      | 82                                                |
| 4X35                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 26.9                                              | 1124                          | 0.8680                                                      | 99                                                |
| 4X50                                                                    | sm/ru                                    | 1.4                                                    | 1.8                                                      | 27.2                                              | 1045                          | 0.6410                                                      | 119                                               |
| 4X70                                                                    | sm/ru                                    | 1.4                                                    | 2.0                                                      | 30.6                                              | 1333                          | 0.4430                                                      | 152                                               |
| 4X95                                                                    | sm/sm                                    | 1.6                                                    | 2.2                                                      | 35.1                                              | 1724                          | 0.3200                                                      | 186                                               |
| 4X120                                                                   | sm/sm                                    | 1.6                                                    | 2.3                                                      | 38.1                                              | 2044                          | 0.2530                                                      | 216                                               |
| 4X150                                                                   | sm/sm                                    | 1.8                                                    | 2.4                                                      | 42.1                                              | 2502                          | 0.2060                                                      | 246                                               |
| 4X185                                                                   | sm/sm                                    | 2                                                      | 2.6                                                      | 46.4                                              | 3031                          | 0.1640                                                      | 285                                               |
| 4X240                                                                   | sm/sm                                    | 2.2                                                    | 2.8                                                      | 52.0                                              | 3817                          | 0.1250                                                      | 338                                               |
| 5X10                                                                    | ru                                       | 1                                                      | 1.8                                                      | 20.0                                              | 584                           | 3.1000                                                      | 47                                                |
| 5X16                                                                    | ru                                       | 1                                                      | 1.8                                                      | 22.5                                              | 760                           | 1.9100                                                      | 63                                                |
| 5X25                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 26.6                                              | 1085                          | 1.2000                                                      | 82                                                |
| 5X35                                                                    | ru                                       | 1.2                                                    | 1.8                                                      | 29.4                                              | 1353                          | 0.8680                                                      | 99                                                |
| <b>NAYCY</b>                                                            |                                          |                                                        |                                                          |                                                   |                               |                                                             |                                                   |
| 1X10/10                                                                 | ru                                       | 1                                                      | 1.8                                                      | 19.6                                              | 495                           | 3.1000                                                      | 47                                                |
| 1X16/16                                                                 | ru                                       | 1                                                      | 1.8                                                      | 21.5                                              | 597                           | 1.9100                                                      | 63                                                |
| 1X25/25                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 25.4                                              | 912                           | 1.2000                                                      | 82                                                |
| 1X35/35                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 27.5                                              | 1085                          | 0.8680                                                      | 99                                                |
| 1X50/50                                                                 | rm                                       | 1.4                                                    | 1.8                                                      | 33.4                                              | 1532                          | 0.6410                                                      | 119                                               |
| 1X70/70                                                                 | rm                                       | 1.4                                                    | 2.2                                                      | 39.0                                              | 2198                          | 0.4430                                                      | 152                                               |
| 1X95/95                                                                 | rm                                       | 1.6                                                    | 2.3                                                      | 43.9                                              | 3118                          | 0.3200                                                      | 186                                               |
| 1X120/120                                                               | rm                                       | 1.6                                                    | 2.4                                                      | 47.4                                              | 3515                          | 0.2530                                                      | 216                                               |
| 1X150/150                                                               | rm                                       | 1.8                                                    | 2.6                                                      | 53.7                                              | 4668                          | 0.2060                                                      | 246                                               |
| 1X185/185                                                               | rm                                       | 2                                                      | 2.8                                                      | 58.0                                              | 5213                          | 0.1640                                                      | 285                                               |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer<br>sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 1X240/240                                                               | rm                                       | 2.2                                                    | 2.8                                                      | 65.9                                              | 7088                          | 0.1250                                                      | 338                                               |
| 2X10/10                                                                 | ru                                       | 1                                                      | 1.8                                                      | 20.8                                              | 580                           | 3.1000                                                      | 47                                                |
| 2X16/16                                                                 | ru                                       | 1                                                      | 1.8                                                      | 23.3                                              | 760                           | 1.9100                                                      | 63                                                |
| 2X25/25                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 26.7                                              | 1031                          | 1.2000                                                      | 82                                                |
| 3X10/10                                                                 | ru                                       | 1                                                      | 1.8                                                      | 22.2                                              | 671                           | 3.1000                                                      | 47                                                |
| 3X16/16                                                                 | ru                                       | 1                                                      | 1.8                                                      | 25.0                                              | 884                           | 1.9100                                                      | 63                                                |
| 3X25/25                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 28.7                                              | 1207                          | 1.2000                                                      | 82                                                |
| 3X25/16                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 28.2                                              | 1139                          | 1.2000                                                      | 82                                                |
| 3X35/16                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 30.7                                              | 1360                          | 0.8680                                                      | 99                                                |
| 3X35/35                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 32.0                                              | 1560                          | 0.8680                                                      | 99                                                |
| 4X10/10                                                                 | ru                                       | 1                                                      | 1.8                                                      | 23.8                                              | 775                           | 3.1000                                                      | 47                                                |
| 4X16/16                                                                 | ru                                       | 1                                                      | 1.8                                                      | 26.8                                              | 1039                          | 1.9100                                                      | 63                                                |
| 4X25/25                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 30.9                                              | 1395                          | 1.2000                                                      | 82                                                |
| 4X35/35                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 34.5                                              | 1843                          | 0.8680                                                      | 99                                                |
| 5X10/10                                                                 | ru                                       | 1                                                      | 1.8                                                      | 23.8                                              | 780                           | 3.1000                                                      | 47                                                |
| 5X16/16                                                                 | ru                                       | 1                                                      | 1.8                                                      | 26.8                                              | 1047                          | 1.9100                                                      | 63                                                |
| 5X25/25                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 30.9                                              | 1409                          | 1.2000                                                      | 82                                                |
| 5X35/35                                                                 | ru                                       | 1.2                                                    | 1.8                                                      | 34.5                                              | 1865                          | 0.8680                                                      | 99                                                |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor

## NYM

Cabluri izolate cu PVC pentru instalatii fixe | Power cable for fixed installations



### Constructie

1. Conductor din cupru, clasa 1
2. Izolatie din PVC
3. Strat umplutura
4. Manta din PVC

### Construction

1. Solid copper conductor, class 1
2. PVC insulation
3. Filler layer
4. PVC sheath

### Specificatia tehnica

Tensiunea nom.: 300/500 V  
 Temperatura minima:  
 – instalare si manipulare: +4 °C  
 – depozitare: –40 °C  
 Temperatura max. de depozitare: +40 °C  
 Temperatura de lucru: min. –40 °C max. +70 °C  
 Utilizare: in incaperi uscate sau umede, pentru instalatii fixe si sub tencuiala.  
 Culoarea mantalei: gri  
 Standard de fabricatie: DIN VDE 0250-204/12.2000  
 Identificare conductori conf. VDE 0293, HD 308  
**NYM-J** cu conductor verde-galben  
**NYM-O** fara conductor verde-galben  
 Ambalare: colaci de 100, tamburi de lemn.  
 Rezistenta la flacara conf. IEC 60332-1.

### Technical specification

Rated voltage: 300/500 V  
 Min. perm. temp.  
 – with installation and handling: +4 °C  
 – storage: –40 °C  
 Max. perm. storage temp.: +40 °C  
 Operating temperature: min. –40 °C max. +70 °C  
 Use: Indoors, for fixed installation in dry or moist rooms or under plaster.  
 Colour of sheath: grey  
 Manufactured according to: DIN VDE 0250-204/12.2000  
 Core identification acc. to VDE 0293, HD 308  
**NYM-J** with green-yellow core  
**NYM-O** without green-yellow core  
 Packing: coils 100 m, drums, one-way reels  
 Flame retardation according to IEC 60332-1.

| Nr. conductori<br>x sectiunea<br>Cores no x<br>cross-section<br>(nxmm <sup>2</sup> ) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer<br>sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>Resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>capacity<br>(A) |
|--------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 2X1.5                                                                                | ru                                       | 0.6                                                    | 1.4                                                      | 8.5                                               | 114                           | 12.1000                                                     | 23                                                |
| 2X2.5                                                                                | ru                                       | 0.7                                                    | 1.4                                                      | 9.6                                               | 157                           | 7.4100                                                      | 32                                                |
| 2X4                                                                                  | ru                                       | 0.8                                                    | 1.4                                                      | 11.0                                              | 217                           | 4.6200                                                      | 42                                                |
| 2X6                                                                                  | ru                                       | 0.8                                                    | 1.4                                                      | 12.6                                              | 298                           | 3.0800                                                      | 53                                                |
| 2X10                                                                                 | ru                                       | 1.0                                                    | 1.6                                                      | 15.3                                              | 454                           | 1.8300                                                      | 74                                                |
| 2X16                                                                                 | ru                                       | 1.0                                                    | 1.6                                                      | 18.6                                              | 690                           | 1.1500                                                      | 88                                                |
| 2X25                                                                                 | rm                                       | 1.2                                                    | 1.6                                                      | 22.0                                              | 1012                          | 0.7270                                                      | 101                                               |
| 2X35                                                                                 | rm                                       | 1.2                                                    | 1.8                                                      | 24.7                                              | 1318                          | 0.5240                                                      | 175                                               |
| 3X1.5                                                                                | ru                                       | 0.6                                                    | 1.4                                                      | 8.9                                               | 133                           | 12.1000                                                     | 23                                                |
| 3X2.5                                                                                | ru                                       | 0.7                                                    | 1.4                                                      | 10.1                                              | 186                           | 7.4100                                                      | 32                                                |
| 3X4                                                                                  | ru                                       | 0.8                                                    | 1.4                                                      | 11.6                                              | 262                           | 4.6200                                                      | 42                                                |
| 3X6                                                                                  | ru                                       | 0.8                                                    | 1.4                                                      | 13.3                                              | 363                           | 3.0800                                                      | 53                                                |



| Nr. conductori<br>x sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer<br>sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>Resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 3X10                                                                    | ru                                       | 1.0                                                    | 1.6                                                      | 16.2                                              | 557                           | 1.8300                                                      | 74                                                |
| 3X16                                                                    | ru                                       | 1.0                                                    | 1.6                                                      | 19.7                                              | 853                           | 1.1500                                                      | 80                                                |
| 3X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 23.9                                              | 1288                          | 0.7270                                                      | 101                                               |
| 3X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 26.3                                              | 1660                          | 0.5240                                                      | 126                                               |
| 4X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                      | 9.5                                               | 159                           | 12.1000                                                     | 23                                                |
| 4X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                      | 11.0                                              | 226                           | 7.4100                                                      | 32                                                |
| 4X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                      | 13.2                                              | 344                           | 4.6200                                                      | 42                                                |
| 4X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                      | 14.4                                              | 446                           | 3.0800                                                      | 53                                                |
| 4X10                                                                    | ru                                       | 1.0                                                    | 1.6                                                      | 17.6                                              | 689                           | 1.8300                                                      | 74                                                |
| 4X16                                                                    | ru                                       | 1.0                                                    | 1.6                                                      | 21.6                                              | 1065                          | 1.1500                                                      | 80                                                |
| 4X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 26.1                                              | 1615                          | 0.7270                                                      | 101                                               |
| 4X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 28.9                                              | 2093                          | 0.5240                                                      | 126                                               |
| 5X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                      | 10.2                                              | 188                           | 12.1000                                                     | 21                                                |
| 5X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                      | 11.8                                              | 270                           | 7.4100                                                      | 30                                                |
| 5X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                      | 14.3                                              | 411                           | 4.6200                                                      | 42                                                |
| 5X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                      | 15.6                                              | 537                           | 3.0800                                                      | 53                                                |
| 5X10                                                                    | ru                                       | 1.0                                                    | 1.6                                                      | 19.1                                              | 834                           | 1.8300                                                      | 74                                                |
| 5X16                                                                    | ru                                       | 1.0                                                    | 1.8                                                      | 24.0                                              | 1320                          | 1.1500                                                      | 80                                                |
| 5X25                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 28.6                                              | 1973                          | 0.7270                                                      | 101                                               |
| 5X35                                                                    | rm                                       | 1.2                                                    | 1.8                                                      | 31.7                                              | 2564                          | 0.5240                                                      | 175                                               |
| 7X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                      | 11.0                                              | 229                           | 12.1000                                                     | 12                                                |
| 7X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                      | 13.4                                              | 355                           | 7.4100                                                      | 16                                                |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor

## CYKY

Cabluri izolate cu PVC pentru instalatii fixe | Power cable for fixed installations



| Constructie                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Construction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor din cupru, clasa 1<br>2. Izolatie din PVC<br>3. Strat umplutura<br>4. Manta din PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1. Copper conductor, class 1<br>2. PVC insulation<br>3. Filler layer<br>4. PVC sheath                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificatia tehnica                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Technical specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tensiunea nom.: 450/750 V<br>Temperatura minima:<br>– instalare si manipulare: +4 °C<br>– depozitare: –40 °C<br>Temperatura max. de depozitare: +40 °C<br>Temperatura de lucru: min. –40 °C max. +70 °C<br>Utilizare: in instalatii fixe exterioare ingropate in pamant sau sub tencuiala, in incaperi , pentru instalatii fixe si sub tencuiala.<br>Culoarea mantalei: negru<br>Standard de fabricatie: ST 104<br>Identificare conductori conf. VDE 0293, HD 308<br>Ambalare: colaci de 100, tamburi de lemn.<br>Rezistenta la flacara conf. IEC 60332-1.<br>Cablurile sint rezistente la radiatii UV | Rated voltage: 450/750 V<br>Operating temperature: min. –40 °C max. +70 °C<br>Min. perm. temp.<br>– with installation and handling: +4 °C<br>– storage: –40 °C<br>Max. perm. storage temp.: +40 °C<br>Application: For fixed installation in open air, in the ground and in the concrete, for indoor installation and installation under plaster.<br>Colour of sheath: black<br>Manufactured according to: ST 104<br>Core identification acc. to VDE 0293, HD 308<br>Standard packing: coils 100 m, drums, one-way reels 500 m<br>Flame retardant according to IEC 60332-1.<br>Cables are resistant to UV radiation |

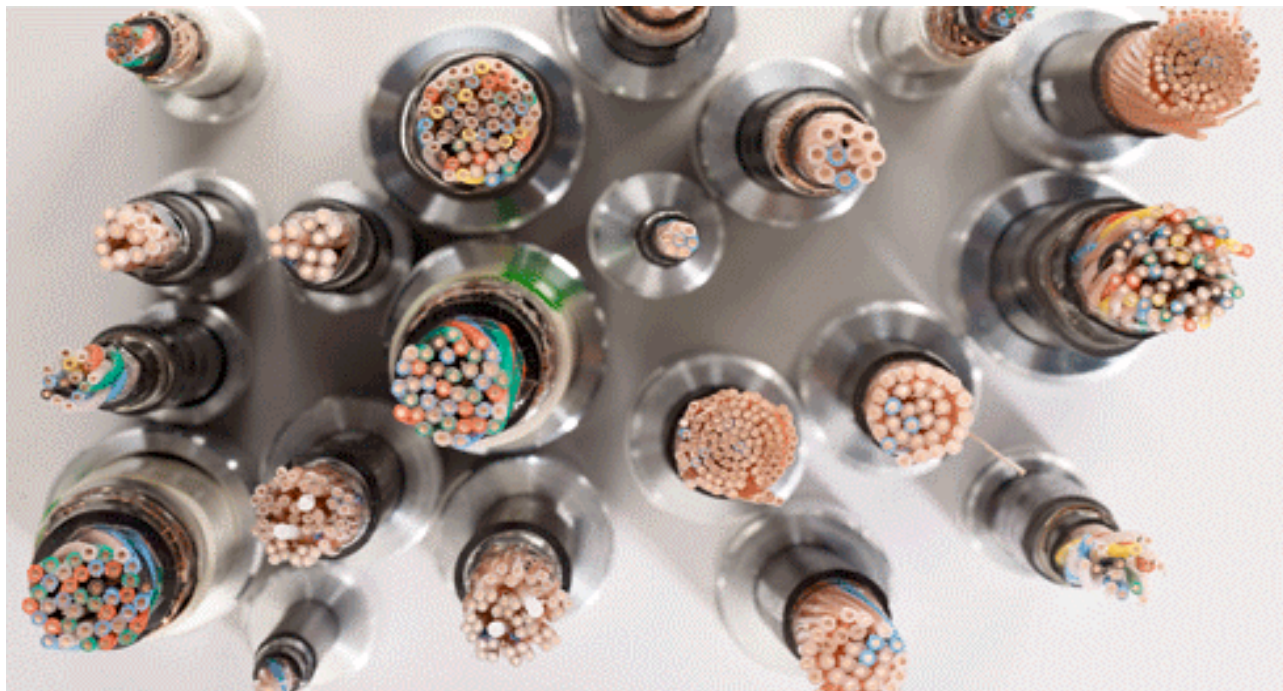
| Nr. conductori x sectiunea<br>Cores no x cross-section<br>(nxmm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolatie<br>Insulation thickness<br>(mm) | Grosime manta<br>Outer sheath thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor resistance<br>(ohm/km) | Sarcina<br>Current carrying capacity<br>(A) |
|--------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------|-------------------------------|----------------------------------------------------------|---------------------------------------------|
| 2X1.5                                                                          | ru                                 | 0.7                                              | 1.0                                             | 8.1                                         | 107                           | 12.1000                                                  | 23                                          |
| 2X2.5                                                                          | ru                                 | 0.8                                              | 1.0                                             | 9.3                                         | 150                           | 7.4100                                                   | 32                                          |
| 2X4                                                                            | ru                                 | 0.9                                              | 1.0                                             | 10.6                                        | 208                           | 4.6200                                                   | 42                                          |
| 2X6                                                                            | ru                                 | 1                                                | 1.0                                             | 12.2                                        | 287                           | 3.0800                                                   | 53                                          |
| 3X1.5                                                                          | ru                                 | 0.7                                              | 1.0                                             | 8.5                                         | 126                           | 12.1000                                                  | 23                                          |
| 3X2.5                                                                          | ru                                 | 0.8                                              | 1.0                                             | 9.8                                         | 179                           | 7.4100                                                   | 32                                          |
| 3X4                                                                            | ru                                 | 0.9                                              | 1.0                                             | 11.4                                        | 259                           | 4.6200                                                   | 42                                          |
| 3X6                                                                            | ru                                 | 1                                                | 1.2                                             | 13.4                                        | 365                           | 3.0800                                                   | 53                                          |
| 3X10                                                                           | ru                                 | 1                                                | 1.2                                             | 15.1                                        | 518                           | 1.8300                                                   | 74                                          |
| 3X16                                                                           | ru                                 | 1                                                | 1.4                                             | 17.6                                        | 771                           | 1.1500                                                   | 80                                          |
| 4X1.5                                                                          | ru                                 | 0.7                                              | 1.0                                             | 9.2                                         | 153                           | 12.1000                                                  | 23                                          |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer<br>sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) | Sarcina<br>Current<br>carrying<br>capacity<br>(A) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------------------------------------------|
| 4X2.5                                                                   | ru                                       | 0.8                                                    | 1.0                                                      | 10.7                                              | 220                           | 7.4100                                                      | 32                                                |
| 4X4                                                                     | ru                                       | 0.9                                                    | 1.0                                                      | 12.5                                              | 320                           | 4.6200                                                      | 42                                                |
| 4X6                                                                     | ru                                       | 1                                                      | 1.2                                                      | 14.6                                              | 452                           | 3.0800                                                      | 53                                                |
| 4X10                                                                    | ru                                       | 1                                                      | 1.2                                                      | 16.5                                              | 650                           | 1.8300                                                      | 74                                                |
| 4X16                                                                    | ru                                       | 1                                                      | 1.4                                                      | 19.3                                              | 972                           | 1.1500                                                      | 80                                                |
| 5X1.5                                                                   | ru                                       | 0.7                                                    | 1.0                                                      | 10.0                                              | 183                           | 12.1000                                                     | 21                                                |
| 5X2.5                                                                   | ru                                       | 0.8                                                    | 1.0                                                      | 11.8                                              | 272                           | 7.4100                                                      | 30                                                |
| 5X4                                                                     | ru                                       | 0.9                                                    | 1.2                                                      | 14.0                                              | 401                           | 4.6200                                                      | 42                                                |
| 5X6                                                                     | ru                                       | 1                                                      | 1.2                                                      | 15.9                                              | 548                           | 3.0800                                                      | 53                                                |
| 5X10                                                                    | ru                                       | 1                                                      | 1.2                                                      | 18.1                                              | 793                           | 1.8300                                                      | 74                                                |
| 5X16                                                                    | ru                                       | 1                                                      | 1.4                                                      | 21.1                                              | 1189                          | 1.1500                                                      | 80                                                |
| 7X1.5                                                                   | ru                                       | 0.7                                                    | 1.0                                                      | 10.8                                              | 225                           | 12.1000                                                     | 12                                                |
| 7X2.5                                                                   | ru                                       | 0.8                                                    | 1.2                                                      | 13.2                                              | 350                           | 7.4100                                                      | 16                                                |
| 7X4                                                                     | ru                                       | 0.9                                                    | 1.2                                                      | 15.2                                              | 501                           | 4.6200                                                      | 28                                                |
| 12X1.5                                                                  | ru                                       | 0.7                                                    | 1.2                                                      | 14.6                                              | 404                           | 12.1000                                                     | 10                                                |
| 12X2.5                                                                  | ru                                       | 0.8                                                    | 1.2                                                      | 17.1                                              | 595                           | 7.4100                                                      | 13                                                |
| 12X4                                                                    | ru                                       | 0.9                                                    | 1.4                                                      | 20.2                                              | 883                           | 4.6200                                                      | 25                                                |
| 19X1.5                                                                  | ru                                       | 0.7                                                    | 1.2                                                      | 16.9                                              | 570                           | 12.1000                                                     | 9                                                 |
| 19X2.5                                                                  | ru                                       | 0.8                                                    | 1.4                                                      | 20.3                                              | 871                           | 7.4100                                                      | 11                                                |
| 19X4                                                                    | ru                                       | 0.9                                                    | 1.6                                                      | 24.0                                              | 1295                          | 4.6200                                                      | 23                                                |
| 24X1.5                                                                  | ru                                       | 0.7                                                    | 1.4                                                      | 20.0                                              | 778                           | 12.1000                                                     | 7                                                 |
| 24X2.5                                                                  | ru                                       | 0.8                                                    | 1.6                                                      | 24.0                                              | 1184                          | 7.4100                                                      | 10                                                |
| 24X4                                                                    | ru                                       | 0.9                                                    | 1.6                                                      | 28.0                                              | 1724                          | 4.6200                                                      | 21                                                |
| 30X1.5                                                                  | ru                                       | 0.7                                                    | 1.6                                                      | 21.5                                              | 918                           | 12.1000                                                     | 7                                                 |
| 30X2.5                                                                  | ru                                       | 0.8                                                    | 1.6                                                      | 25.3                                              | 1372                          | 7.4100                                                      | 10                                                |
| 30X4                                                                    | ru                                       | 0.9                                                    | 1.6                                                      | 29.6                                              | 2011                          | 4.6200                                                      | 19                                                |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor



## **Cabluri de semnalizare si control | Signalling and control cables**

# CSYY-F, CSYEY-F, CSYEABY-F, CSYABY-F CSYY, CSYEY, CSYEABY, CSYABY

Cabluri de semnalizare cu izolatie si manta din PVC | Control cable, PVC insulated



## Constructie

1. Conductor din cupru, clasa 1
2. Izolatie din PVC
3. Strat umplutura
4. Ecran din folie AluPet+fir continuitate sau cupru
5. Manta interioara din PVC
6. Amatura din banda de otel
7. Manta din PVC

## Construction

1. Copper conductor, class 1
2. PVC insulation
3. Filler layer
4. AluPet+drain wire or copper foil screen
5. Inner PVC sheath
6. Armour of steel tape
7. PVC sheath

## Specificatia tehnica

Tensiunea nom.: 250/500 V  
Temperatura minima:  
– instalare si manipulare: +4 °C  
– depozitare: –40 °C  
Temperatura max. de depozitare: +40 °C  
Temperatura de lucru: min. –40 °C max. +70 °C  
Utilizare: În instalații electrice fixe, pozate în încăperi interioare, în canale, în aer liber, în pământ, în apă  
Culoarea mantalei: negru, gri  
Standard de fabricatie: STAS 8779-86  
Identificare conductori conf. STAS 8779-86  
Ambalare: colaci de 100, tamburi de lemn.  
Rezistenta la flacara conf. SR EN 50266-2-4.

## Technical specification

Rated voltage: 250/500 V  
Min. perm. temp.  
– with installation and handling: +4 °C  
– storage: –40 °C  
Max. perm. storage temp.: +40 °C  
Operating temperature: min. –40 °C max. +70 °C  
Use: Indoors, for fixed installation in open air, ground, water.  
Colour of sheath: black, grey  
Manufactured according to: STAS 8779-86  
Core identification acc. to STAS 8779-86  
Packing: coils 100 m, drums, one-way reels  
Flame retardation according to SR EN 50266-2-4.

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer diameter<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------|------------------------------------------------|--------------------------------------------|-------------------------------------------|
| <b>CSYY-F</b>                                                           |                                          |                                                        |                                                    |                                                |                                            |                                           |
| 2X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 9.1                                            | 18                                         | 121                                       |
| 2X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 9.5                                            | 25                                         | 138                                       |
| 2X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 10.7                                           | 43                                         | 184                                       |
| 2X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 12.0                                           | 70                                         | 246                                       |
| 2X6                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 13.0                                           | 105                                        | 309                                       |

| Nr. conductori x<br>sestiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer diameter<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------|------------------------------------------------|--------------------------------------------|-------------------------------------------|
| 3X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 9.4                                            | 27                                         | 137                                       |
| 3X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 9.9                                            | 38                                         | 158                                       |
| 3X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 11.2                                           | 64                                         | 215                                       |
| 3X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 12.6                                           | 104                                        | 293                                       |
| 3X6                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 13.7                                           | 157                                        | 374                                       |
| 4X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 10.0                                           | 36                                         | 159                                       |
| 4X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 10.6                                           | 51                                         | 186                                       |
| 4X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 12.0                                           | 85                                         | 257                                       |
| 4X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 13.6                                           | 139                                        | 355                                       |
| 4X6                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 14.8                                           | 210                                        | 458                                       |
| 5X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 10.7                                           | 45                                         | 185                                       |
| 5X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 11.3                                           | 64                                         | 217                                       |
| 5X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 12.9                                           | 106                                        | 304                                       |
| 5X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 14.7                                           | 174                                        | 423                                       |
| 5X6                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 16.0                                           | 262                                        | 550                                       |
| 7X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 11.4                                           | 63                                         | 219                                       |
| 7X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 12.0                                           | 89                                         | 260                                       |
| 7X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 13.9                                           | 149                                        | 370                                       |
| 7X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 15.8                                           | 243                                        | 523                                       |
| 7X6                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 17.3                                           | 367                                        | 689                                       |
| 9X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 13.3                                           | 81                                         | 296                                       |
| 9X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 14.1                                           | 114                                        | 354                                       |
| 9X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 16.4                                           | 191                                        | 509                                       |
| 9X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 18.8                                           | 313                                        | 725                                       |
| 12X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 14.1                                           | 108                                        | 347                                       |
| 12X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 15.0                                           | 153                                        | 419                                       |
| 12X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 17.5                                           | 255                                        | 610                                       |
| 12X4                                                                    | ru                                       | 0.8                                                    | 1.8                                                | 20.2                                           | 417                                        | 878                                       |
| 14X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 14.7                                           | 126                                        | 383                                       |
| 14X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 15.6                                           | 178                                        | 464                                       |
| 14X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 18.3                                           | 298                                        | 681                                       |
| 16X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 15.4                                           | 144                                        | 424                                       |
| 16X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 16.4                                           | 203                                        | 516                                       |
| 16X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 19.2                                           | 340                                        | 761                                       |
| 19X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 16.1                                           | 171                                        | 474                                       |
| 19X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 17.2                                           | 242                                        | 580                                       |
| 19X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 20.2                                           | 404                                        | 860                                       |
| 21X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 16.8                                           | 189                                        | 523                                       |
| 21X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 18.0                                           | 267                                        | 640                                       |
| 21X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 21.2                                           | 447                                        | 952                                       |
| 24X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 18.4                                           | 216                                        | 620                                       |
| 24X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 19.7                                           | 305                                        | 760                                       |
| 24X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 23.3                                           | 510                                        | 1134                                      |
| 27X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 18.7                                           | 243                                        | 658                                       |
| 27X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 20.1                                           | 343                                        | 809                                       |
| 27X2.5                                                                  | ru                                       | 0.7                                                    | 2                                                  | 24.2                                           | 574                                        | 1236                                      |
| 30X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 19.3                                           | 270                                        | 709                                       |
| 30X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 20.7                                           | 381                                        | 875                                       |
| 30X2.5                                                                  | ru                                       | 0.7                                                    | 2                                                  | 25.0                                           | 638                                        | 1340                                      |

| Nr. conductori x<br>sestiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer diameter<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------|------------------------------------------------|--------------------------------------------|-------------------------------------------|
| 33X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 20.0                                           | 298                                        | 766                                       |
| 33X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 21.5                                           | 420                                        | 947                                       |
| 33X2.5                                                                  | ru                                       | 0.7                                                    | 2                                                  | 25.9                                           | 702                                        | 1453                                      |
| 37X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 20.7                                           | 334                                        | 832                                       |
| 37X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 22.3                                           | 470                                        | 1031                                      |
| 37X2.5                                                                  | ru                                       | 0.7                                                    | 2                                                  | 26.9                                           | 787                                        | 1586                                      |
| 42X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 22.3                                           | 379                                        | 960                                       |
| 42X1.5                                                                  | ru                                       | 0.6                                                    | 2                                                  | 24.4                                           | 534                                        | 1214                                      |
| 48X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 23.4                                           | 433                                        | 1071                                      |
| 48X1.5                                                                  | ru                                       | 0.6                                                    | 2                                                  | 25.6                                           | 610                                        | 1357                                      |
| 52X1                                                                    | ru                                       | 0.6                                                    | 2                                                  | 24.4                                           | 469                                        | 1161                                      |
| 52X1.5                                                                  | ru                                       | 0.6                                                    | 2                                                  | 26.2                                           | 661                                        | 1442                                      |
| 56X1                                                                    | ru                                       | 0.6                                                    | 2                                                  | 25.1                                           | 505                                        | 1234                                      |
| 56X1.5                                                                  | ru                                       | 0.6                                                    | 2                                                  | 27.0                                           | 712                                        | 1535                                      |
| 61X1                                                                    | ru                                       | 0.6                                                    | 2                                                  | 25.8                                           | 550                                        | 1316                                      |
| 61X1.5                                                                  | ru                                       | 0.6                                                    | 2                                                  | 27.8                                           | 776                                        | 1641                                      |
| <b>CSYEY-F</b>                                                          |                                          |                                                        |                                                    |                                                |                                            |                                           |
| 2X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 9.1                                            | 18                                         | 96                                        |
| 2X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 9.5                                            | 25                                         | 109                                       |
| 2X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 10.7                                           | 43                                         | 143                                       |
| 2X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 12.0                                           | 70                                         | 189                                       |
| 2X6                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 13.0                                           | 105                                        | 237                                       |
| 3X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 9.4                                            | 27                                         | 114                                       |
| 3X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 9.9                                            | 38                                         | 132                                       |
| 3X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 11.2                                           | 64                                         | 178                                       |
| 3X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 12.6                                           | 104                                        | 241                                       |
| 3X6                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 13.7                                           | 157                                        | 310                                       |
| 4X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 10.0                                           | 36                                         | 134                                       |
| 4X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 10.6                                           | 51                                         | 156                                       |
| 4X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 12.0                                           | 85                                         | 215                                       |
| 4X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 13.6                                           | 139                                        | 297                                       |
| 4X6                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 14.8                                           | 210                                        | 387                                       |
| 5X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 10.7                                           | 45                                         | 154                                       |
| 5X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 11.3                                           | 64                                         | 182                                       |
| 5X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 12.9                                           | 106                                        | 253                                       |
| 5X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 14.7                                           | 174                                        | 354                                       |
| 5X6                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 16.0                                           | 262                                        | 464                                       |
| 7X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 11.4                                           | 63                                         | 189                                       |
| 7X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 12.0                                           | 89                                         | 226                                       |
| 7X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 13.9                                           | 149                                        | 322                                       |
| 7X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 15.8                                           | 243                                        | 458                                       |
| 7X6                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 17.3                                           | 367                                        | 609                                       |
| 9X1                                                                     | ru                                       | 0.6                                                    | 1.8                                                | 13.3                                           | 81                                         | 235                                       |
| 9X1.5                                                                   | ru                                       | 0.6                                                    | 1.8                                                | 14.1                                           | 114                                        | 282                                       |
| 9X2.5                                                                   | ru                                       | 0.7                                                    | 1.8                                                | 16.4                                           | 191                                        | 406                                       |
| 9X4                                                                     | ru                                       | 0.8                                                    | 1.8                                                | 18.8                                           | 313                                        | 580                                       |
| 12X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 14.1                                           | 108                                        | 285                                       |
| 12X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 15.0                                           | 153                                        | 347                                       |
| 12X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 17.5                                           | 255                                        | 506                                       |



| Nr. conductori x<br>sestiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer diameter<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------|------------------------------------------------|--------------------------------------------|-------------------------------------------|
| 12X4                                                                    | ru                                       | 0.8                                                    | 1.8                                                | 20.2                                           | 417                                        | 733                                       |
| 14X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 14.7                                           | 126                                        | 319                                       |
| 14X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 15.6                                           | 178                                        | 390                                       |
| 14X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 18.3                                           | 298                                        | 573                                       |
| 16X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 15.4                                           | 144                                        | 354                                       |
| 16X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 16.4                                           | 203                                        | 434                                       |
| 16X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 19.2                                           | 340                                        | 642                                       |
| 19X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 16.1                                           | 171                                        | 403                                       |
| 19X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 17.2                                           | 242                                        | 497                                       |
| 19X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 20.2                                           | 404                                        | 740                                       |
| 21X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 16.8                                           | 189                                        | 439                                       |
| 21X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 18.0                                           | 267                                        | 542                                       |
| 21X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 21.2                                           | 447                                        | 810                                       |
| 24X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 18.4                                           | 216                                        | 496                                       |
| 24X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 19.7                                           | 305                                        | 614                                       |
| 24X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 23.3                                           | 510                                        | 920                                       |
| 27X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 18.7                                           | 243                                        | 542                                       |
| 27X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 20.1                                           | 343                                        | 674                                       |
| 27X2.5                                                                  | ru                                       | 0.7                                                    | 2                                                  | 24.2                                           | 574                                        | 1038                                      |
| 30X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 19.3                                           | 270                                        | 591                                       |
| 30X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 20.7                                           | 381                                        | 736                                       |
| 30X2.5                                                                  | ru                                       | 0.7                                                    | 2                                                  | 25.0                                           | 638                                        | 1136                                      |
| 33X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 20.0                                           | 298                                        | 640                                       |
| 33X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 21.5                                           | 420                                        | 798                                       |
| 33X2.5                                                                  | ru                                       | 0.7                                                    | 2                                                  | 25.9                                           | 702                                        | 1235                                      |
| 37X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 20.7                                           | 334                                        | 703                                       |
| 37X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 22.3                                           | 470                                        | 880                                       |
| 37X2.5                                                                  | ru                                       | 0.7                                                    | 2                                                  | 26.9                                           | 787                                        | 1365                                      |
| 42X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 22.3                                           | 379                                        | 789                                       |
| 42X1.5                                                                  | ru                                       | 0.6                                                    | 2                                                  | 24.4                                           | 534                                        | 1013                                      |
| 48X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 23.4                                           | 433                                        | 885                                       |
| 48X1.5                                                                  | ru                                       | 0.6                                                    | 2                                                  | 25.6                                           | 610                                        | 1137                                      |
| 52X1                                                                    | ru                                       | 0.6                                                    | 2                                                  | 24.4                                           | 469                                        | 971                                       |
| 52X1.5                                                                  | ru                                       | 0.6                                                    | 2                                                  | 26.2                                           | 661                                        | 1219                                      |
| 56X1                                                                    | ru                                       | 0.6                                                    | 2                                                  | 25.1                                           | 505                                        | 1035                                      |
| 56X1.5                                                                  | ru                                       | 0.6                                                    | 2                                                  | 27.0                                           | 712                                        | 1301                                      |
| 61X1                                                                    | ru                                       | 0.6                                                    | 2                                                  | 25.8                                           | 550                                        | 1113                                      |
| 61X1.5                                                                  | ru                                       | 0.6                                                    | 2                                                  | 27.8                                           | 776                                        | 1402                                      |
| <b>CSYEABY-F</b>                                                        |                                          |                                                        |                                                    |                                                |                                            |                                           |
| 2X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 10.9                                           | 18                                         | 184                                       |
| 2X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 11.3                                           | 25                                         | 202                                       |
| 2X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 12.5                                           | 43                                         | 248                                       |
| 2X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 13.8                                           | 70                                         | 307                                       |
| 2X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 14.8                                           | 105                                        | 365                                       |
| 3X0.75                                                                  | ru                                       | 0.5                                                    | 1.4                                                | 10.5                                           | 21                                         | 180                                       |
| 3X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 11.3                                           | 27                                         | 206                                       |
| 3X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 11.7                                           | 38                                         | 228                                       |
| 3X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 13.0                                           | 64                                         | 287                                       |
| 3X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 14.4                                           | 104                                        | 365                                       |

| Nr. conductori x<br>sestiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer diameter<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------|------------------------------------------------|--------------------------------------------|-------------------------------------------|
| 3X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 15.5                                           | 157                                        | 445                                       |
| 4X0.75                                                                  | ru                                       | 0.5                                                    | 1.4                                                | 11.0                                           | 28                                         | 201                                       |
| 4X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 11.9                                           | 36                                         | 232                                       |
| 4X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 12.4                                           | 51                                         | 260                                       |
| 4X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 13.9                                           | 85                                         | 333                                       |
| 4X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 15.4                                           | 139                                        | 431                                       |
| 4X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 16.6                                           | 210                                        | 533                                       |
| 5X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 12.5                                           | 45                                         | 259                                       |
| 5X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 13.1                                           | 64                                         | 292                                       |
| 5X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 14.7                                           | 106                                        | 380                                       |
| 5X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 16.5                                           | 174                                        | 499                                       |
| 5X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 17.9                                           | 262                                        | 623                                       |
| 7X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 13.2                                           | 63                                         | 301                                       |
| 7X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 13.9                                           | 89                                         | 344                                       |
| 7X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 15.7                                           | 149                                        | 459                                       |
| 7X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 17.6                                           | 243                                        | 614                                       |
| 7X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 19.1                                           | 367                                        | 781                                       |
| 9X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 15.1                                           | 81                                         | 365                                       |
| 9X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 15.9                                           | 114                                        | 421                                       |
| 9X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 18.2                                           | 191                                        | 568                                       |
| 9X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 21.1                                           | 313                                        | 790                                       |
| 12X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 15.9                                           | 108                                        | 424                                       |
| 12X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 16.8                                           | 153                                        | 495                                       |
| 12X2.5                                                                  | ru                                       | 0.7                                                    | 1.4                                                | 19.3                                           | 255                                        | 680                                       |
| 12X4                                                                    | ru                                       | 0.8                                                    | 1.4                                                | 22.4                                           | 417                                        | 958                                       |
| 14X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 16.5                                           | 126                                        | 464                                       |
| 14X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 17.5                                           | 178                                        | 545                                       |
| 14X2.5                                                                  | ru                                       | 0.7                                                    | 1.4                                                | 20.1                                           | 298                                        | 755                                       |
| 16X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 17.2                                           | 144                                        | 506                                       |
| 16X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 18.2                                           | 203                                        | 596                                       |
| 16X2.5                                                                  | ru                                       | 0.7                                                    | 1.4                                                | 21.4                                           | 340                                        | 856                                       |
| 19X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 17.9                                           | 171                                        | 562                                       |
| 19X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 19.0                                           | 242                                        | 667                                       |
| 19X2.5                                                                  | ru                                       | 0.7                                                    | 1.4                                                | 22.4                                           | 404                                        | 965                                       |
| 21X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 18.7                                           | 189                                        | 606                                       |
| 21X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 19.8                                           | 267                                        | 721                                       |
| 21X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 24.2                                           | 447                                        | 1093                                      |
| 24X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 20.2                                           | 216                                        | 679                                       |
| 24X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 21.9                                           | 305                                        | 833                                       |
| 24X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 26.3                                           | 510                                        | 1230                                      |
| 27X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 21.0                                           | 243                                        | 751                                       |
| 27X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 22.3                                           | 343                                        | 897                                       |
| 27X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 26.8                                           | 574                                        | 1330                                      |
| 30X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 21.6                                           | 270                                        | 806                                       |
| 30X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 23.8                                           | 381                                        | 1012                                      |
| 30X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 27.6                                           | 638                                        | 1439                                      |
| 33X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 22.3                                           | 298                                        | 862                                       |
| 33X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 24.5                                           | 420                                        | 1085                                      |
| 33X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 28.5                                           | 702                                        | 1549                                      |

| Nr. conductori x<br>sestiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer diameter<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------|------------------------------------------------|--------------------------------------------|-------------------------------------------|
| 37X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 23.8                                           | 334                                        | 979                                       |
| 37X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 25.3                                           | 470                                        | 1177                                      |
| 37X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 29.5                                           | 787                                        | 1690                                      |
| 42X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 25.3                                           | 379                                        | 1085                                      |
| 42X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 27.0                                           | 534                                        | 1308                                      |
| 48X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 26.4                                           | 433                                        | 1196                                      |
| 48X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 28.2                                           | 610                                        | 1447                                      |
| 52X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 27.0                                           | 469                                        | 1266                                      |
| 52X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 28.9                                           | 661                                        | 1536                                      |
| 56X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 27.7                                           | 505                                        | 1339                                      |
| 56X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 29.6                                           | 712                                        | 1628                                      |
| 61X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 28.4                                           | 550                                        | 1425                                      |
| 61X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 30.4                                           | 776                                        | 1738                                      |
| <b>CSYABY-F</b>                                                         |                                          |                                                        |                                                    |                                                |                                            |                                           |
| 2X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 10.7                                           | 18                                         | 202                                       |
| 2X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 11.1                                           | 25                                         | 223                                       |
| 2X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 12.3                                           | 43                                         | 281                                       |
| 2X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 13.6                                           | 70                                         | 355                                       |
| 2X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 14.6                                           | 105                                        | 427                                       |
| 3X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 11.0                                           | 27                                         | 221                                       |
| 3X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 11.5                                           | 38                                         | 247                                       |
| 3X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 12.8                                           | 64                                         | 316                                       |
| 3X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 14.2                                           | 104                                        | 407                                       |
| 3X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 15.3                                           | 157                                        | 498                                       |
| 4X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 11.6                                           | 36                                         | 249                                       |
| 4X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 12.2                                           | 51                                         | 281                                       |
| 4X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 13.6                                           | 85                                         | 366                                       |
| 4X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 15.2                                           | 139                                        | 478                                       |
| 4X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 16.4                                           | 210                                        | 593                                       |
| 5X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 12.3                                           | 45                                         | 280                                       |
| 5X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 12.9                                           | 64                                         | 318                                       |
| 5X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 14.5                                           | 106                                        | 421                                       |
| 5X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 16.3                                           | 174                                        | 557                                       |
| 5X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 17.6                                           | 262                                        | 697                                       |
| 7X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 13.0                                           | 63                                         | 321                                       |
| 7X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 13.6                                           | 89                                         | 369                                       |
| 7X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 15.4                                           | 149                                        | 496                                       |
| 7X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 17.4                                           | 243                                        | 668                                       |
| 7X6                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 18.9                                           | 367                                        | 848                                       |
| 9X1                                                                     | ru                                       | 0.6                                                    | 1.4                                                | 14.9                                           | 81                                         | 416                                       |
| 9X1.5                                                                   | ru                                       | 0.6                                                    | 1.4                                                | 15.7                                           | 114                                        | 482                                       |
| 9X2.5                                                                   | ru                                       | 0.7                                                    | 1.4                                                | 18.0                                           | 191                                        | 659                                       |
| 9X4                                                                     | ru                                       | 0.8                                                    | 1.4                                                | 20.8                                           | 313                                        | 921                                       |
| 12X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 15.7                                           | 108                                        | 475                                       |
| 12X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 16.6                                           | 153                                        | 556                                       |
| 12X2.5                                                                  | ru                                       | 0.7                                                    | 1.4                                                | 19.1                                           | 255                                        | 771                                       |
| 12X4                                                                    | ru                                       | 0.8                                                    | 1.4                                                | 22.2                                           | 417                                        | 1088                                      |
| 14X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 16.3                                           | 126                                        | 517                                       |
| 14X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 17.2                                           | 178                                        | 608                                       |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer diameter<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------|------------------------------------------------|--------------------------------------------|-------------------------------------------|
| 14X2.5                                                                  | ru                                       | 0.7                                                    | 1.4                                                | 19.9                                           | 298                                        | 849                                       |
| 16X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 17.0                                           | 144                                        | 565                                       |
| 16X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 18.0                                           | 203                                        | 666                                       |
| 16X2.5                                                                  | ru                                       | 0.7                                                    | 1.4                                                | 21.2                                           | 340                                        | 960                                       |
| 19X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 17.7                                           | 171                                        | 621                                       |
| 19X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 18.8                                           | 242                                        | 737                                       |
| 19X2.5                                                                  | ru                                       | 0.7                                                    | 1.4                                                | 22.2                                           | 404                                        | 1070                                      |
| 21X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 18.4                                           | 189                                        | 677                                       |
| 21X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 19.6                                           | 267                                        | 806                                       |
| 21X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 24.0                                           | 447                                        | 1220                                      |
| 24X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 20.0                                           | 216                                        | 790                                       |
| 24X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 21.7                                           | 305                                        | 965                                       |
| 24X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 26.1                                           | 510                                        | 1428                                      |
| 27X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 20.7                                           | 243                                        | 852                                       |
| 27X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 22.1                                           | 343                                        | 1018                                      |
| 27X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 26.6                                           | 574                                        | 1511                                      |
| 30X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 21.3                                           | 270                                        | 910                                       |
| 30X1.5                                                                  | ru                                       | 0.6                                                    | 1.4                                                | 22.7                                           | 381                                        | 1091                                      |
| 30X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 27.4                                           | 638                                        | 1625                                      |
| 33X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 22.0                                           | 298                                        | 974                                       |
| 33X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 24.3                                           | 420                                        | 1218                                      |
| 33X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 28.3                                           | 702                                        | 1748                                      |
| 37X1                                                                    | ru                                       | 0.6                                                    | 1.4                                                | 22.7                                           | 334                                        | 1047                                      |
| 37X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 25.1                                           | 470                                        | 1311                                      |
| 37X2.5                                                                  | ru                                       | 0.7                                                    | 1.8                                                | 29.3                                           | 787                                        | 1892                                      |
| 42X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 25.1                                           | 379                                        | 1240                                      |
| 42X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 26.8                                           | 534                                        | 1492                                      |
| 48X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 26.2                                           | 433                                        | 1365                                      |
| 48X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 28.0                                           | 610                                        | 1649                                      |
| 52X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 26.8                                           | 469                                        | 1439                                      |
| 52X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 28.6                                           | 661                                        | 1742                                      |
| 56X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 27.5                                           | 505                                        | 1520                                      |
| 56X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 29.4                                           | 712                                        | 1843                                      |
| 61X1                                                                    | ru                                       | 0.6                                                    | 1.8                                                | 28.2                                           | 550                                        | 1610                                      |
| 61X1.5                                                                  | ru                                       | 0.6                                                    | 1.8                                                | 30.2                                           | 776                                        | 1958                                      |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

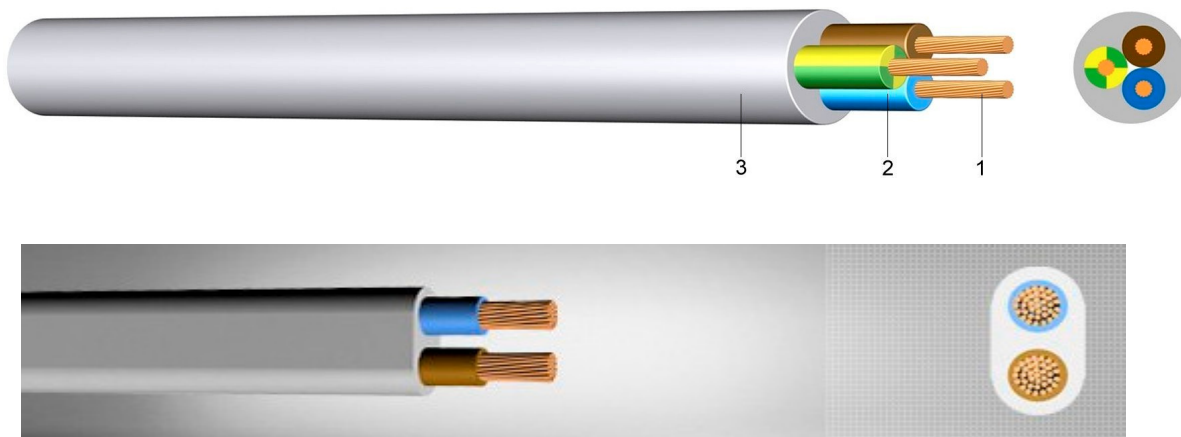
sm –conductor sector multifilar | stranded sector shaped conductor



## **Cordoane flexibile | Flexible cords**

# MYYU, MYYUP | H03VV-F, H03VVH2-F

Cordoane flexibile cu izolatie si manta din PVC | Flexible cords PVC insulated



## Constructie

1. Conductor flexibil din cupru, clasa 5
2. Izolatie din PVC
3. Manta din PVC

## Construction

1. Stranded copper conductor, class 5
2. PVC insulation
3. PVC sheath

## Specificatia tehnica

Tensiunea nom.: 300/300 V  
 Temperatura minima:  
 – instalare si manipulare: +5 °C  
 – depozitare: –40 °C  
 Temperatura max. de depozitare: +40 °C  
 Temperatura de lucru: min. –25 °C max. +70 °C  
 Utilizare: conectarea aparaturii casnice si de birou, supuse la solicitari usoare, in medii umede  
 Culoarea mantalei: alb, negru  
 Standard de fabricatie: HD 21.5.S3  
 Identificare conductori conf. VDE 0293, HD 308  
 Ambalare: colaci de 100, cutii carton, bobine.

## Technical specification

Rated voltage: 300/300 V  
 Min. perm. temp.  
 – with installation and handling: +5 °C  
 – storage: –40 °C  
 Max. perm. storage temp.: +40 °C  
 Operating temperature: min. –25 °C max. +70 °C  
 Use: Connections of household and office electrical appliances working with light mechanical stress, connections of appliances working in humid and wet rooms .  
 Colour of sheath: white, black  
 Manufactured according to: HD 21.5.S3  
 Core identification acc. to VDE 0293, HD 308  
 Packing: coils 100 m, boxes, reels

| Nr. conductori x sectiunea<br>Cores no x cross-section<br>(nxmm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolatie<br>Insulation thickness<br>(mm) | Grosime manta<br>Outer sheath thickness<br>(mm) | Diametru exterior<br>sau l x h<br>Outer diameter<br>or l x h<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|--------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------|-------------------------------------------|
| <b>MYYUP<br/>H03VVH2-F</b>                                                     |                                    |                                                  |                                                 |                                                                      |                                            |                                           |
| 2X0.5                                                                          | rm                                 | 0.5                                              | 0.6                                             | 5,1X3,1                                                              | 8                                          | 29                                        |
| 2X0.75                                                                         | rm                                 | 0.5                                              | 0.6                                             | 5,5X3,4                                                              | 12                                         | 35                                        |
| 2X1                                                                            | rm                                 | 0.5                                              | 0.6                                             | 5,8X3,5                                                              | 17                                         | 41                                        |
| 2X1.5                                                                          | rm                                 | 0.5                                              | 0.6                                             | 6,4X3,8                                                              | 25                                         | 52                                        |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm <sup>2</sup> ) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>sau l x h<br>Outer diameter<br>or l x h<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|--------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------|
| <b>MYYU<br/>H03VV-F</b>                                                              |                                          |                                                        |                                                       |                                                                         |                                            |                                           |
| 2X0.5                                                                                | rm                                       | 0.5                                                    | 0.6                                                   | 5.0                                                                     | 8                                          | 37                                        |
| 2X0.75                                                                               | rm                                       | 0.5                                                    | 0.6                                                   | 5.4                                                                     | 12                                         | 45                                        |
| 3X0.25                                                                               | rm                                       | 0.5                                                    | 0.6                                                   | 4.8                                                                     | 7                                          | 33                                        |
| 3X0.5                                                                                | rm                                       | 0.5                                                    | 0.6                                                   | 5.3                                                                     | 13                                         | 44                                        |
| 3X0.75                                                                               | rm                                       | 0.5                                                    | 0.6                                                   | 5.7                                                                     | 19                                         | 54                                        |
| 4X0.5                                                                                | rm                                       | 0.5                                                    | 0.6                                                   | 5.8                                                                     | 17                                         | 54                                        |
| 4X0.75                                                                               | rm                                       | 0.5                                                    | 0.6                                                   | 5.2                                                                     | 25                                         | 56                                        |

ru – conductor rotund unifilar | round solid conductor

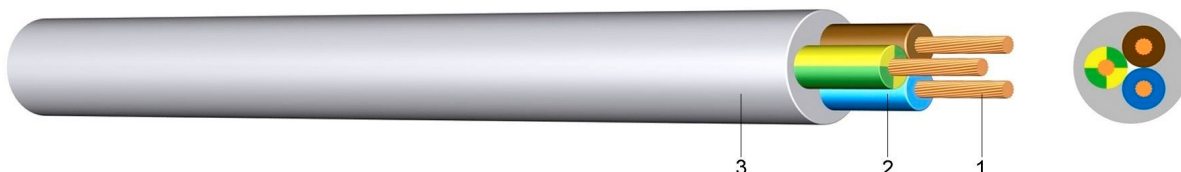
rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor



## MYYM | H05VV-F

Cordoane flexibile cu izolatie si manta din PVC | Flexible cords PVC insulated



| Constructie                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Construction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor flexibil din cupru, clasa 5<br>2. Izolatie din PVC<br>3. Manta din PVC                                                                                                                                                                                                                                                                                                                                                                                               | 1. Stranded copper conductor, class 5<br>2. PVC insulation<br>3. PVC sheath                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificatia tehnica                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Technical specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tensiunea nom.: 300/500 V<br>Temperatura minima:<br>– instalare si manipulare: +5 °C<br>– depozitare: –40 °C<br>Temperatura max. de depozitare: +40 °C<br>Temperatura de lucru: min. –25 °C max. +70 °C<br>Utilizare: conectarea aparaturii casnice si de birou, supuse la solicitari medii, in medii umede<br>Culoarea mantalei: alb, negru<br>Standard de fabricatie: HD 21.5.S3<br>Identificare conductori conf. VDE 0293, HD 308<br>Ambalare: colaci de 100, tamburi de lemn. | Rated voltage: 300/500 V<br>Min. perm. temp.<br>– with installation and handling: +5 °C<br>– storage: –40 °C<br>Max. perm. storage temp.: +40 °C<br>Operating temperature: min. –25 °C max. +70 °C<br>Use: Connections of household and office electrical appliances working with medium mechanical stress, connections of appliances working in humid and wet rooms .<br>Colour of sheath: white, black<br>Manufactured according to: HD 21.5.S3<br>Core identification acc. to VDE 0293, HD 308<br>Packing: coils 100 m, reels |

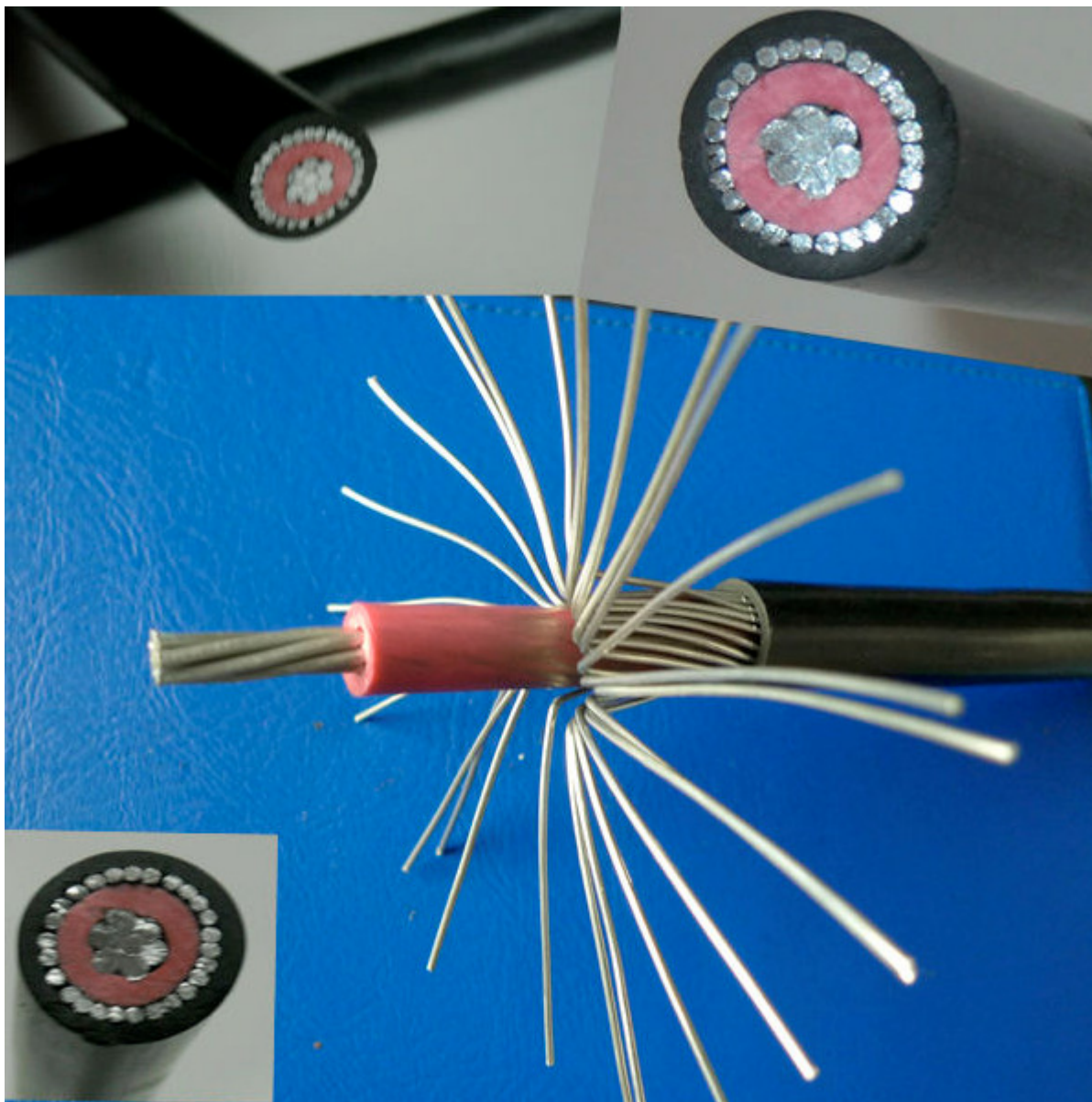
| Nr. conductori x sectiunea<br>Cores no x cross-section<br>(nxmm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolatie<br>Insulation thickness<br>(mm) | Grosime manta<br>Outer sheath thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|--------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------|--------------------------------------------|-------------------------------------------|
| 2X0.5                                                                          | rm                                 | 0.6                                              | 0.7                                             | 5.7                                         | 8                                          | 46                                        |
| 2X0.75                                                                         | rm                                 | 0.6                                              | 0.7                                             | 6.1                                         | 12                                         | 55                                        |
| 2X1                                                                            | rm                                 | 0.6                                              | 0.7                                             | 6.4                                         | 17                                         | 63                                        |
| 2X1.5                                                                          | rm                                 | 0.7                                              | 0.7                                             | 7.4                                         | 25                                         | 86                                        |
| 2X2.5                                                                          | rm                                 | 0.8                                              | 0.9                                             | 9.1                                         | 42                                         | 133                                       |
| 2X4                                                                            | rm                                 | 0.8                                              | 0.6                                             | 10.2                                        | 68                                         | 179                                       |
| 2X6                                                                            | rm                                 | 0.8                                              | 0.8                                             | 12.6                                        | 99                                         | 262                                       |
| 2X10                                                                           | rm                                 | 1                                                | 1.25                                            | 17.1                                        | 174                                        | 475                                       |
| 2X16                                                                           | rm                                 | 1                                                | 1.25                                            | 19.3                                        | 269                                        | 638                                       |
| 3X0.5                                                                          | rm                                 | 0.6                                              | 0.7                                             | 6.0                                         | 13                                         | 54                                        |
| 3X0.75                                                                         | rm                                 | 0.6                                              | 0.7                                             | 6.5                                         | 19                                         | 65                                        |
| 3X1                                                                            | rm                                 | 0.6                                              | 0.7                                             | 6.8                                         | 25                                         | 77                                        |
| 3X1                                                                            | rm                                 | 0.6                                              | 0.8                                             | 7.9                                         | 38                                         | 108                                       |
| 3X1.5                                                                          | rm                                 | 0.7                                              | 0.8                                             | 8.1                                         | 37                                         | 108                                       |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|-------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|--------------------------------------------|-------------------------------------------|
| 3X2.5                                                                   | rm                                       | 0.8                                                    | 0.9                                                | 9.7                                               | 62                                         | 162                                       |
| 3X4                                                                     | rm                                       | 0.8                                                    | 0.7                                                | 11.1                                              | 102                                        | 227                                       |
| 3X6                                                                     | rm                                       | 0.8                                                    | 0.8                                                | 13.4                                              | 149                                        | 323                                       |
| 3X10                                                                    | rm                                       | 1                                                      | 1.25                                               | 18.2                                              | 261                                        | 582                                       |
| 3X16                                                                    | rm                                       | 1                                                      | 1.25                                               | 20.5                                              | 403                                        | 792                                       |
| 4X0.5                                                                   | rm                                       | 0.6                                                    | 0.7                                                | 6.6                                               | 17                                         | 66                                        |
| 4X0.75                                                                  | rm                                       | 0.6                                                    | 0.7                                                | 7.1                                               | 25                                         | 80                                        |
| 4X1                                                                     | rm                                       | 0.6                                                    | 0.8                                                | 7.7                                               | 34                                         | 98                                        |
| 4X1.5                                                                   | rm                                       | 0.7                                                    | 0.9                                                | 9.1                                               | 49                                         | 138                                       |
| 4X2.5                                                                   | rm                                       | 0.8                                                    | 1                                                  | 10.8                                              | 83                                         | 207                                       |
| 4X4                                                                     | rm                                       | 0.8                                                    | 0.8                                                | 12.4                                              | 136                                        | 290                                       |
| 4X6                                                                     | rm                                       | 0.8                                                    | 0.8                                                | 14.8                                              | 199                                        | 404                                       |
| 4X10                                                                    | rm                                       | 1                                                      | 1.25                                               | 20.0                                              | 348                                        | 724                                       |
| 4X16                                                                    | rm                                       | 1                                                      | 1.25                                               | 22.6                                              | 538                                        | 993                                       |
| 5X0.75                                                                  | rm                                       | 0.6                                                    | 0.5                                                | 7.9                                               | 31                                         | 101                                       |
| 5X1                                                                     | rm                                       | 0.6                                                    | 0.6                                                | 8.6                                               | 42                                         | 123                                       |
| 5X1.5                                                                   | rm                                       | 0.7                                                    | 0.6                                                | 9.9                                               | 62                                         | 167                                       |
| 5X2.5                                                                   | rm                                       | 0.8                                                    | 0.7                                                | 11.9                                              | 104                                        | 251                                       |
| 5X4                                                                     | rm                                       | 0.8                                                    | 0.8                                                | 13.5                                              | 169                                        | 354                                       |
| 5X6                                                                     | rm                                       | 0.8                                                    | 1.25                                               | 17.5                                              | 249                                        | 547                                       |
| 5X10                                                                    | rm                                       | 1                                                      | 1.25                                               | 21.9                                              | 435                                        | 881                                       |
| 5X16                                                                    | rm                                       | 1                                                      | 1.25                                               | 24.8                                              | 672                                        | 1214                                      |
| 7X0.5                                                                   | rm                                       | 0.6                                                    | 0.8                                                | 8.0                                               | 30                                         | 101                                       |
| 7X0.75                                                                  | rm                                       | 0.6                                                    | 0.9                                                | 8.8                                               | 43                                         | 129                                       |
| 7X1                                                                     | rm                                       | 0.6                                                    | 0.9                                                | 9.4                                               | 59                                         | 152                                       |
| 7X1.5                                                                   | rm                                       | 0.7                                                    | 1                                                  | 11.0                                              | 86                                         | 214                                       |
| 7X2.5                                                                   | rm                                       | 0.8                                                    | 1.1                                                | 13.1                                              | 145                                        | 323                                       |
| 9X0.75                                                                  | rm                                       | 0.6                                                    | 1                                                  | 10.9                                              | 56                                         | 188                                       |
| 9X1                                                                     | rm                                       | 0.6                                                    | 1                                                  | 10.9                                              | 76                                         | 209                                       |
| 9X1.5                                                                   | rm                                       | 0.7                                                    | 1.1                                                | 13.6                                              | 111                                        | 310                                       |
| 9X2.5                                                                   | rm                                       | 0.8                                                    | 1.5                                                | 16.9                                              | 187                                        | 490                                       |
| 12X0.75                                                                 | rm                                       | 0.6                                                    | 1.1                                                | 13.8                                              | 75                                         | 273                                       |
| 12X1                                                                    | rm                                       | 0.6                                                    | 1.1                                                | 13.8                                              | 102                                        | 300                                       |
| 12X1.5                                                                  | rm                                       | 0.7                                                    | 1.1                                                | 14.7                                              | 148                                        | 376                                       |
| 12X2.5                                                                  | rm                                       | 0.8                                                    | 1.5                                                | 18.2                                              | 249                                        | 594                                       |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

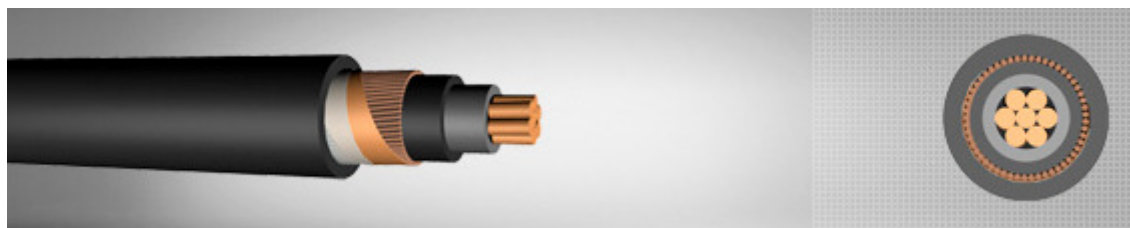
sm –conductor sector multifilar | stranded sector shaped conductor



**Cabluri pentru bransamente si retele aeriene |  
Aerial supply power connections cables**

## CCBYY

Cabluri electrice cu conductor concentric din cupru pentru bransamente monofazate | Electrical cable with copper concentric conductor for monophase connections



| Constructie                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Construction                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor din cupru multifilar<br>2. Izolatie din PVC<br>3. Conductor concentric din sirme de cupru<br>4. Manta din PVC                                                                                                                                                                                                                                                                                                                                                  | 1. Copper stranded conductor<br>2. PVC insulation<br>3. Concentric conductor from copper wires<br>4. PVC sheath                                                                                                                                                                                                                                                                                                |
| Specificatia tehnica                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Technical specification                                                                                                                                                                                                                                                                                                                                                                                        |
| Tensiunea nom.: 600/1000 V<br>Temperatura minima:<br>– instalare si manipulare: -5 °C<br>– depozitare: -40 °C<br>Temperatura max. de depozitare: +40 °C<br>Temperatura de lucru: max. +70 °C<br>Utilizare: Cablurile sunt utilizate pentru realizarea de bransamente monofazate Uo/U: 0.6/1 kV<br>Culoare izolatie: negru, albastru<br>Culoarea mantalei: negru<br>Standard de fabricatie: ST 101<br>Ambalare: tamburi de lemn.<br>Rezistenta la flacara conf. IEC 60332-1. | Rated voltage: 300/500 V<br>Min. perm. temp.<br>– with installation and handling: -5 °C<br>– storage: -40 °C<br>Max. perm. storage temp.: +40 °C<br>Operating temperature: max. +70 °C<br>Use: Monophase connections Uo/U: 0.6/1 kV.<br>Insulation colour: black, blue<br>Colour of sheath: black<br>Manufactured according to: ST 101<br>Packing: wooden drums<br>Flame retardation according to IEC 60332-1. |

| Nr. conductori x sectiunea<br>Cores no x cross-section<br>(nxmm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolatie<br>Insulation thickness<br>(mm) | Grosime manta<br>Outer sheath thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Sarcina<br>Current carrying capacity<br>(A) |
|--------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------|-------------------------------|---------------------------------------------|
| 6/6                                                                            | rm                                 | 1.4                                              | 1.8                                             | 10.7                                        | 213                           | 53                                          |
| 6/10                                                                           | rm                                 | 1.4                                              | 1.8                                             | 10.8                                        | 244                           | 74                                          |
| 10/10                                                                          | rm                                 | 1.5                                              | 2.0                                             | 12.5                                        | 319                           | 74                                          |
| 10/16                                                                          | rm                                 | 1.5                                              | 2.0                                             | 13.3                                        | 387                           | 105                                         |
| 16/16                                                                          | rm                                 | 1.5                                              | 2.0                                             | 14.5                                        | 463                           | 105                                         |
| 16/25                                                                          | rm                                 | 1.5                                              | 2.0                                             | 15.0                                        | 543                           | 146                                         |
| 25/25                                                                          | rm                                 | 1.5                                              | 2.0                                             | 16.4                                        | 651                           | 146                                         |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor

## ACBYCY

Cabluri electrice cu conductor concentric din aluminiu pentru bransamente monofazate |  
Electrical cable with aluminum concentric conductor for monophase connections



| Constructie                                                                                   | Construction                                 |
|-----------------------------------------------------------------------------------------------|----------------------------------------------|
| 1. Conductor din aluminiu multifilar                                                          | 1. Aluminium stranded conductor              |
| 2. Izolatie din PVC                                                                           | 2. PVC insulation                            |
| 3. Conductor concentric din sirme de aluminiu                                                 | 3. Concentric conductor from aluminium wires |
| 4. Manta din PVC                                                                              | 4. PVC sheath                                |
| Specificatia tehnica                                                                          | Technical specification                      |
| Tensiunea nom.: 600/1000 V                                                                    | Rated voltage: 300/500 V                     |
| Temperatura minima:                                                                           | Min. perm. temp.                             |
| – instalare si manipulare: -5 °C                                                              | – with installation and handling: -5 °C      |
| – depozitare: -40 °C                                                                          | – storage: -40 °C                            |
| Temperatura max. de depozitare: +40 °C                                                        | Max. perm. storage temp.: +40 °C             |
| Temperatura de lucru: max. +70 °C                                                             | Operating temperature: max. +70 °C           |
| Utilizare: Cablurile sunt utilizate pentru realizarea de bransamentemonofazate Uo/U: 0.6/1 kV | Use: Monophase connections Uo/U: 0.6/1 kV.   |
| Culoare izolatie: negru, albastru                                                             | Insulation colour: black, blue               |
| Culoarea mantalei: negru                                                                      | Colour of sheath: black                      |
| Standard de fabricatie: ST 102                                                                | Manufactured according to: ST 102            |
| Ambalare: tamburi de lemn.                                                                    | Packing: wooden drums                        |
| Rezistenta la flacara conf. IEC 60332-1.                                                      | Flame retardation according to IEC 60332-1.  |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm <sup>2</sup> ) | Forma<br>conductor<br>Conductor<br>shape | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime<br>manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Sarcina<br>Current carrying<br>capacity<br>(A) |
|--------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------|-------------------------------|------------------------------------------------|
| 6/6                                                                                  | rm                                       | 1.4                                                    | 1.8                                                   | 10.7                                              | 152                           | 34                                             |
| 6/10                                                                                 | rm                                       | 1.4                                                    | 1.8                                                   | 10.9                                              | 160                           | 47                                             |
| 10/10                                                                                | rm                                       | 1.5                                                    | 2.0                                                   | 12.6                                              | 213                           | 47                                             |
| 10/16                                                                                | rm                                       | 1.5                                                    | 2.0                                                   | 13.4                                              | 246                           | 63                                             |
| 16/16                                                                                | rm                                       | 1.5                                                    | 2.0                                                   | 14.5                                              | 286                           | 63                                             |
| 16/25                                                                                | rm                                       | 1.5                                                    | 2.0                                                   | 15.0                                              | 315                           | 82                                             |
| 25/25                                                                                | rm                                       | 1.5                                                    | 2.0                                                   | 16.4                                              | 373                           | 82                                             |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor

## TYIR

Conductoare de aluminiu si otel-aluminiu, izolate in PVC, rasucite in fascicul | Stranded PVC-insulated aluminum and aluminium-steel conductors



| Construcție                                                                                                                                                                                                                                                                                                                                                   | Construction                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor din aluminiu<br>2. Conductor din otel-aluminiu<br>3. Izolatie din PVC                                                                                                                                                                                                                                                                            | 1. Aluminium conductor<br>2. Aluminium-steel conductor<br>3. PVC insulation                                                                                                                                                                                                                                              |
| Specificatia tehnica                                                                                                                                                                                                                                                                                                                                          | Technical specification                                                                                                                                                                                                                                                                                                  |
| Tensiunea nom. : 600/1000 V<br>Temperatura minima:<br>– instalare si manipulare: -5 °C<br>– depozitare: -40 °C<br>Temperatura de lucru: max. +70 °C<br>Utilizare: Sunt destinate realizarii retelelor electrice de distributie, cu tensiuni nominale de 0.6/1 kV<br>Culoarea izolatiei: negru<br>Standard de fabricatie: ST 103<br>Ambalare: tamburi de lemn. | Rated voltage: 600/1000 V<br>Min. perm. temp.<br>– with installation and handling: -5 °C<br>– storage: -40 °C<br>Operating temperature: max. +70 °C<br>Use: Power distribution networks with rated voltages up to 0.6/1 kV.<br>Colour of insulation: black<br>Manufactured according to: ST 103<br>Packing: wooden drums |

| Nr. conductori x sectiunea<br>Cores no x cross-section<br>(nxmm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolatii<br>Insulation thickness<br>(mm) | Grosime izolatii conductor nul<br>Insulation thickness for auxiliary conductor<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Sarcina<br>Current carrying capacity<br>(A) |
|--------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------|---------------------------------------------|
| 10+16                                                                          | ru/rm                              | 1.5                                              | 1.5                                                                                    | 16.0                                        | 139                           | 63                                          |
| 10+25                                                                          | ru/rm                              | 1.5                                              | 1.7                                                                                    | 17.0                                        | 180                           | 82                                          |
| 16+25                                                                          | rm/rm                              | 1.5                                              | 1.7                                                                                    | 19.0                                        | 206                           | 82                                          |
| 2X10                                                                           | ru                                 | 1.5                                              | 1.5                                                                                    | 14.4                                        | 115                           | 47                                          |
| 2X16                                                                           | rm                                 | 1.5                                              | 1.5                                                                                    | 17.4                                        | 168                           | 63                                          |
| 2X25                                                                           | rm                                 | 1.7                                              | 1.7                                                                                    | 20.0                                        | 252                           | 82                                          |
| 2X35                                                                           | rm                                 | 1.7                                              | 1.7                                                                                    | 21.0                                        | 322                           | 99                                          |
| 3X16+25                                                                        | rm/rm                              | 1.5                                              | 1.7                                                                                    | 18.0                                        | 378                           | 63                                          |
| 3X25+16                                                                        | rm/rm                              | 1.7                                              | 1.5                                                                                    | 23.7                                        | 462                           | 82                                          |
| 3X35+16                                                                        | rm/rm                              | 1.7                                              | 1.5                                                                                    | 26.6                                        | 567                           | 99                                          |
| 4X10                                                                           | ru                                 | 1.5                                              | 1.5                                                                                    | 17.4                                        | 230                           | 47                                          |
| 4X16                                                                           | rm                                 | 1.5                                              | 1.5                                                                                    | 21.0                                        | 336                           | 63                                          |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm – conductor sector multifilar | stranded sector shaped conductor





## **Cabluri coaxiale | Coaxial cables**



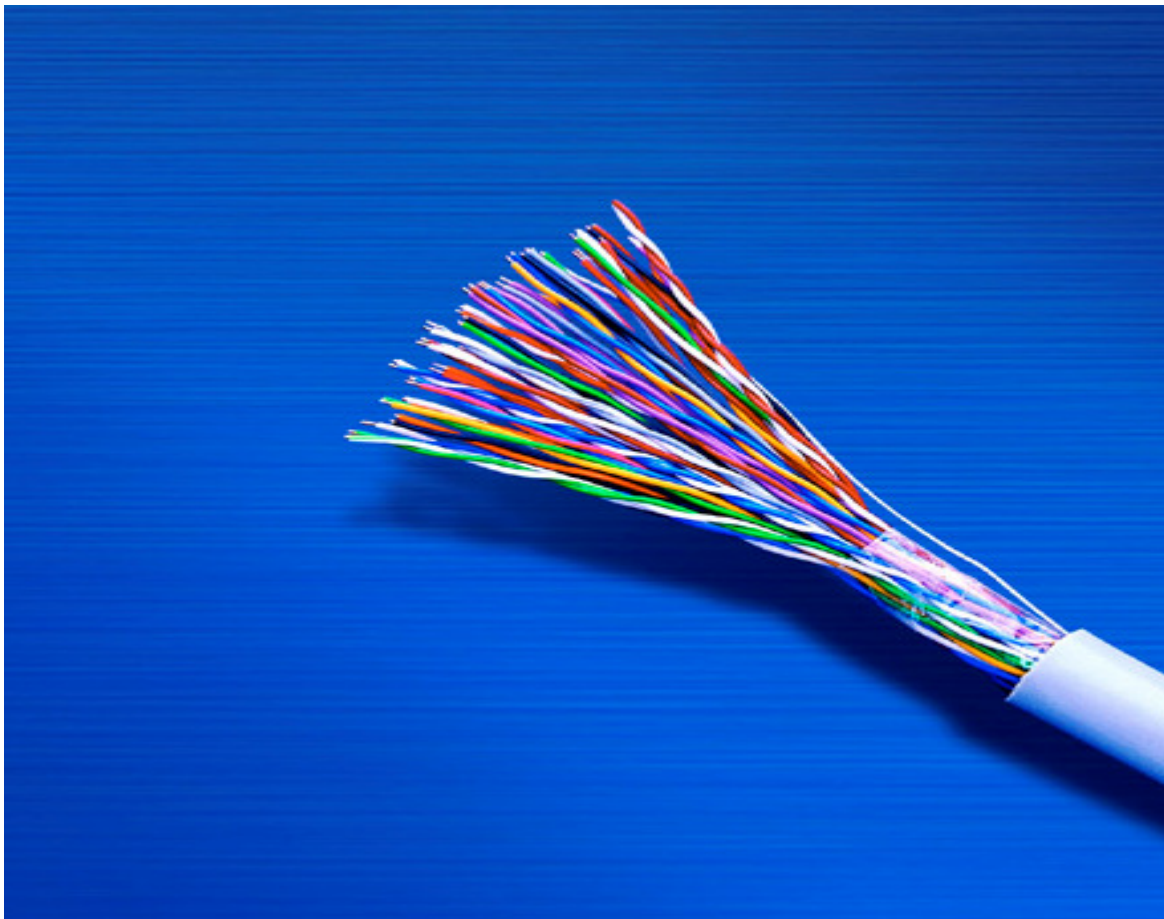
## TCC2YY-I

Cabluri coaxiale cu izolatie din polietilena si manta din PVC | Coaxial cable with PE insulation and PVC sheath.



| Constructie                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Construction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor rigid din cupru, clasa 1<br>2. Izolatie din PE<br>3. Tresa din sirme de cupru<br>4. Manta din PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1. Solid copper conductor, class 1<br>2. PE insulation<br>3. Shield of copper braid<br>3. PVC sheath                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificatia tehnica                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Technical specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Standard de referinta : STAS 7757/1 – 1986 ,<br>STAS 7757/9 – 1979<br>Tensiune de incercare: - pentru izolatie : 3.5 KV<br>- pentru manta : 0.7 KV<br>Temperatura minima a mediului ambiant :<br>- la montaj: - 15 oC<br>- la transport si depozitare : - 30 oC<br>Temperatura maxima admisa pe conductor<br>in conditii normale de exploatare: +85 oC<br>Impedanta caracteristica : 75+-3 ohm<br>Capacitatea maxima: 75 pF / m<br>Atenuarea maxima la 100 MHz: 13.02 dB / 100m<br>Utilizare: pentru transmisia datelor si semnalelor<br>de radiofrecventa (RF), pentru realizarea<br>conexiunii dintre antena si receptoarele TV<br>Ambalare: colaci de 100 si 200 m acoperiti cu<br>folie din plastic, cutii de carton, bobine. | Manufactured according to: STAS 7757/1 – 1986 ,<br>STAS 7757/9 - 1979<br>Testing voltage: 3,5 KV for insulation and 0,7 KV<br>for sheath<br>Min. perm. temp.<br>– with installation and handling: -15 °C<br>– storage: -40 °C<br>Operating temperature: +85 °C<br>Nominal Impedance: 75+-3 ohm<br>Maximum Capacitance: 75 pF / m<br>Maximum Attenuation: at 100 MHz: 13.02 dB /<br>100m<br>Use: for RF data transmission, for connection<br>between antenna and TV set<br>Standard packing: coils 100 and 200 m covered<br>with plastic foil, in carton boxes, reels |

| Nr. conductori x diametru<br>Cores no x diameter<br>(nxmm) | Grosime izolatie<br>Insulation thickness<br>(mm) | Grosime manta<br>Outer sheath thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) |
|------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------|
| 1x0.6                                                      | 1.3                                              | 0.6                                             | 5.1                                         |
| 1x0.7                                                      | 1.3                                              | 0.6                                             | 5.2                                         |



**Cabluri pentru telecomunicatii, control, avertizare incendiu |  
Telecommunications, control, fire warning cables**

## TCY

Conductoare rigide de conexiuni pentru telecomunicatii | Telecommunication connection rigid conductors



| Construcție                                                                                                                                                                                                                                                                                   | Construction                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor din cupru, clasa 1<br>2. Izolație din PVC                                                                                                                                                                                                                                        | 1. Solid copper conductor,<br>2. PVC insulation                                                                                                                                                                                                              |
| Specificația tehnică                                                                                                                                                                                                                                                                          | Technical specification                                                                                                                                                                                                                                      |
| Tensiunea nom.: 250 V<br>Tensiunea de încercare: 1000 V<br>Temperatura de lucru: min. -30 °C max. +70 °C;<br>Utilizare: conexiuni pentru sisteme de telecomunicații .<br>Culoarea izolației: conform înțelegere<br>Standard de fabricație: SR CEI 60189-3<br>Ambalare: colaci de 100 – 1000 m | Working voltage: 250 V<br>Testing voltage: 1000 V<br>Working temperature: -30°C , +70 °C<br>Use: for telecommunication connections.<br>Colour of insulation: acc. with agreement<br>Manufactured according to: SR CEI 60189-3<br>Packing: coils 100 – 1000 m |

| Nr. conductoare X diametru<br>Core no X diameter<br>(nxmm) | Grosime izolație<br>Insulation thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) |
|------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|-------------------------------|
| 1X0.5                                                      | 0.25                                             | 1.2                                         | 5                             |
| 1X0.8                                                      | 0.3                                              | 1.4                                         | 6                             |
| 2X0.8                                                      | 0.25                                             | 1.2                                         | 9                             |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor

## TCLIY

Conductoare flexibile de conexiuni pentru telecomunicatii | Telecommunication connection flexible conductors



| Constructie                                                                                                                                                                                                                                                                                   | Construction                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor flexibil din cupru<br>2. Izolatie din PVC                                                                                                                                                                                                                                        | 1. Flexible copper conductor,<br>2. PVC insulation                                                                                                                                                                                                           |
| Specificatia tehnica                                                                                                                                                                                                                                                                          | Technical specification                                                                                                                                                                                                                                      |
| Tensiunea nom.: 250 V<br>Tensiunea de incercare: 1000 V<br>Temperatura de lucru: min. -30 °C max. +70 °C;<br>Utilizare: conexiuni pentru sisteme de telecomunicatii .<br>Culoarea izolatiei: conform intelegere<br>Standard de fabricatie: SR CEI 60189-3<br>Ambalare: colaci de 100 – 1000 m | Working voltage: 250 V<br>Testing voltage: 1000 V<br>Working temperature: -30°C , +70 °C<br>Use: for telecommunication connections.<br>Colour of insulation: acc. with agreement<br>Manufactured according to: SR CEI 60189-3<br>Packing: coils 100 – 1000 m |

| Nr. conductoare X diametru<br>Core no X diameter<br>(nxmm) | Grosime izolatie<br>Insulation thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) |
|------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|-------------------------------|
| 7X0.2                                                      | 0.6                                              | 1.8                                         | 6                             |
| 12X0.2                                                     | 0.6                                              | 2.0                                         | 8                             |
| 16X0.2                                                     | 0.6                                              | 2.1                                         | 9                             |
| 19X0.2                                                     | 0.6                                              | 2.2                                         | 10                            |
| 24X0.2                                                     | 0.6                                              | 2.3                                         | 12                            |
| 32X0.2                                                     | 0.6                                              | 2.5                                         | 15                            |
| 30X0.25                                                    | 0.6                                              | 2.8                                         | 20                            |

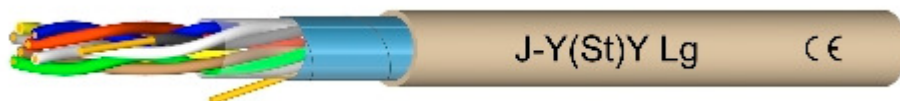
ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor

## J-Y(St)Y

Cabluri telefonice si avertizare incendiu izolate cu PVC | Telephone cables and fire warning, PVC insulated



### Construcție

1. Conductor din cupru, clasa 1
2. Izolație din PVC
3. Ecran din AluPet+fir continuitate
4. Manta din PVC

### Construction

1. Solid copper conductor,
2. PVC insulation
3. AluPet tape screen + drain wire
4. PVC sheath

### Specificația tehnică

Conductori inifilari:  
 0,6 mm: capacitate max. 120 nF/km  
 0,8 mm: capacitate max. 100 nF/km  
 Tensiunea nom.: 300 V  
 Tensiunea de incercare: 800 V  
 Temperatura max. de depozitare: +40 °C  
 Temperatura de lucru: min. -30 °C max. +70 °C;  
 -5 °C , +50 °C (la montaj)  
 Utilizare: pentru sisteme de telecomunicatii si  
 transmitere de date si semnale.  
 Identificare conductori conf. DIN VDE 0815  
 Culoarea mantalei: gri  
 Standard de fabricatie: VDE 0815  
 Ambalare: colaci de 100, tamburi de lemn.

### Technical specification

Conductors: Single Bare copper Wire  
 0,6 mm: max capacitance 120 nF/km  
 0,8 mm: max capacitance 100 nF/km  
 Working voltage: 300 V  
 Testing voltage: 800 V  
 Working temperature: -30 °C , +70 °C  
 -5 °C , +50 °C (mobile)  
 Use: for telecommunication systems for transmission of  
 datas and signals.  
 Core identification acc. to DIN VDE 0815  
 Colour of sheath: grey  
 Manufactured according to: VDE 0815  
 Packing: coils 100 m, wooden drums

| Nr. perechi X diametru<br>Pair no X diameter<br>(nxmm) | Grosime izolație<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) |
|--------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|---------------------------------------------|-------------------------------|
| <b>J-YY</b>                                            |                                                     |                                                    |                                             |                               |
| 1x2x0.6                                                | 0.5                                                 | 1.0                                                | 8.1                                         | 83                            |
| 1x2x0.8                                                | 0.5                                                 | 1.0                                                | 8.1                                         | 105                           |
| 2x2x0.6                                                | 0.5                                                 | 1.0                                                | 8.1                                         | 98                            |
| 2x2x0.8                                                | 0.5                                                 | 1.0                                                | 8.1                                         | 128                           |
| 3x2x0.6                                                | 0.5                                                 | 1.0                                                | 8.6                                         | 121                           |
| 3x2x0.8                                                | 0.5                                                 | 1.0                                                | 8.6                                         | 161                           |
| 4x2x0.6                                                | 0.5                                                 | 1.0                                                | 9.4                                         | 151                           |
| 4x2x0.8                                                | 0.5                                                 | 1.0                                                | 9.4                                         | 203                           |
| 5x2x0.6                                                | 0.5                                                 | 1.2                                                | 10.7                                        | 192                           |
| 5x2x0.8                                                | 0.5                                                 | 1.2                                                | 10.7                                        | 257                           |
| 6x2x0.6                                                | 0.5                                                 | 1.2                                                | 11.6                                        | 228                           |
| 6x2x0.8                                                | 0.5                                                 | 1.2                                                | 11.6                                        | 306                           |
| 8x2x0.6                                                | 0.5                                                 | 1.2                                                | 14.0                                        | 320                           |
| 8x2x0.8                                                | 0.5                                                 | 1.2                                                | 14.0                                        | 430                           |

| Nr. perechi X<br>diametru<br>Pair no X<br>diameter<br>(nxmm) | Grosime izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) |
|--------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|---------------------------------------------|-------------------------------|
| 10x2x0.6                                                     | 0.5                                                 | 1.2                                                | 14.0                                        | 350                           |
| 10x2x0.8                                                     | 0.5                                                 | 1.2                                                | 14.0                                        | 476                           |
| 12x2x0.6                                                     | 0.5                                                 | 1.4                                                | 15.5                                        | 426                           |
| 12x2x0.8                                                     | 0.5                                                 | 1.4                                                | 15.5                                        | 578                           |
| 14x2x0.6                                                     | 0.5                                                 | 1.4                                                | 16.3                                        | 480                           |
| 14x2x0.8                                                     | 0.5                                                 | 1.4                                                | 16.3                                        | 655                           |
| 16x2x0.6                                                     | 0.5                                                 | 1.4                                                | 17.2                                        | 540                           |
| 16x2x0.8                                                     | 0.5                                                 | 1.4                                                | 17.2                                        | 738                           |
| 20x2x0.6                                                     | 0.5                                                 | 1.4                                                | 18.1                                        | 632                           |
| 20x2x0.8                                                     | 0.5                                                 | 1.4                                                | 18.1                                        | 872                           |
| 24x2x0.6                                                     | 0.5                                                 | 1.6                                                | 21.6                                        | 830                           |
| 24x2x0.8                                                     | 0.5                                                 | 1.6                                                | 21.6                                        | 1134                          |
| 30x2x0.6                                                     | 0.5                                                 | 1.6                                                | 22.8                                        | 976                           |
| 30x2x0.8                                                     | 0.5                                                 | 1.6                                                | 22.8                                        | 1343                          |
| 40x2x0.6                                                     | 0.5                                                 | 1.6                                                | 26.7                                        | 1315                          |
| 40x2x0.8                                                     | 0.5                                                 | 1.6                                                | 26.7                                        | 1813                          |
| 50x2x0.6                                                     | 0.5                                                 | 1.6                                                | 28.9                                        | 1589                          |
| 50x2x0.8                                                     | 0.5                                                 | 1.6                                                | 28.9                                        | 2202                          |
| 60x2x0.6                                                     | 0.5                                                 | 1.6                                                | 22.8                                        | 1428                          |
| 60x2x0.8                                                     | 0.5                                                 | 1.6                                                | 22.8                                        | 2047                          |
| <b>J-Y(St)Y</b>                                              |                                                     |                                                    |                                             |                               |
| 1x2x0.6                                                      | 0.5                                                 | 1.0                                                | 8.2                                         | 93                            |
| 1x2x0.8                                                      | 0.5                                                 | 1.0                                                | 8.2                                         | 116                           |
| 2x2x0.6                                                      | 0.5                                                 | 1.0                                                | 8.2                                         | 114                           |
| 2x2x0.8                                                      | 0.5                                                 | 1.0                                                | 8.2                                         | 147                           |
| 3x2x0.6                                                      | 0.5                                                 | 1.0                                                | 8.7                                         | 144                           |
| 3x2x0.8                                                      | 0.5                                                 | 1.0                                                | 8.7                                         | 189                           |
| 4x2x0.6                                                      | 0.5                                                 | 1.0                                                | 9.5                                         | 180                           |
| 4x2x0.8                                                      | 0.5                                                 | 1.0                                                | 9.5                                         | 238                           |
| 5x2x0.6                                                      | 0.5                                                 | 1.2                                                | 10.7                                        | 228                           |
| 5x2x0.8                                                      | 0.5                                                 | 1.2                                                | 10.7                                        | 301                           |
| 6x2x0.6                                                      | 0.5                                                 | 1.2                                                | 11.6                                        | 270                           |
| 6x2x0.8                                                      | 0.5                                                 | 1.2                                                | 11.6                                        | 358                           |
| 8x2x0.6                                                      | 0.5                                                 | 1.2                                                | 14.1                                        | 375                           |
| 8x2x0.8                                                      | 0.5                                                 | 1.2                                                | 14.1                                        | 499                           |
| 10x2x0.6                                                     | 0.5                                                 | 1.2                                                | 14.1                                        | 418                           |
| 10x2x0.8                                                     | 0.5                                                 | 1.2                                                | 14.1                                        | 562                           |
| 12x2x0.6                                                     | 0.5                                                 | 1.4                                                | 15.6                                        | 507                           |
| 12x2x0.8                                                     | 0.5                                                 | 1.4                                                | 15.6                                        | 679                           |
| 14x2x0.6                                                     | 0.5                                                 | 1.4                                                | 16.3                                        | 574                           |
| 14x2x0.8                                                     | 0.5                                                 | 1.4                                                | 16.3                                        | 773                           |
| 16x2x0.6                                                     | 0.5                                                 | 1.4                                                | 17.2                                        | 646                           |
| 16x2x0.8                                                     | 0.5                                                 | 1.4                                                | 17.2                                        | 872                           |
| 20x2x0.6                                                     | 0.5                                                 | 1.4                                                | 18.1                                        | 764                           |
| 20x2x0.8                                                     | 0.5                                                 | 1.4                                                | 18.1                                        | 1038                          |
| 24x2x0.6                                                     | 0.5                                                 | 1.6                                                | 21.6                                        | 989                           |
| 24x2x0.8                                                     | 0.5                                                 | 1.6                                                | 21.6                                        | 1334                          |
| 30x2x0.6                                                     | 0.5                                                 | 1.6                                                | 22.9                                        | 1172                          |
| 30x2x0.8                                                     | 0.5                                                 | 1.6                                                | 22.9                                        | 1591                          |

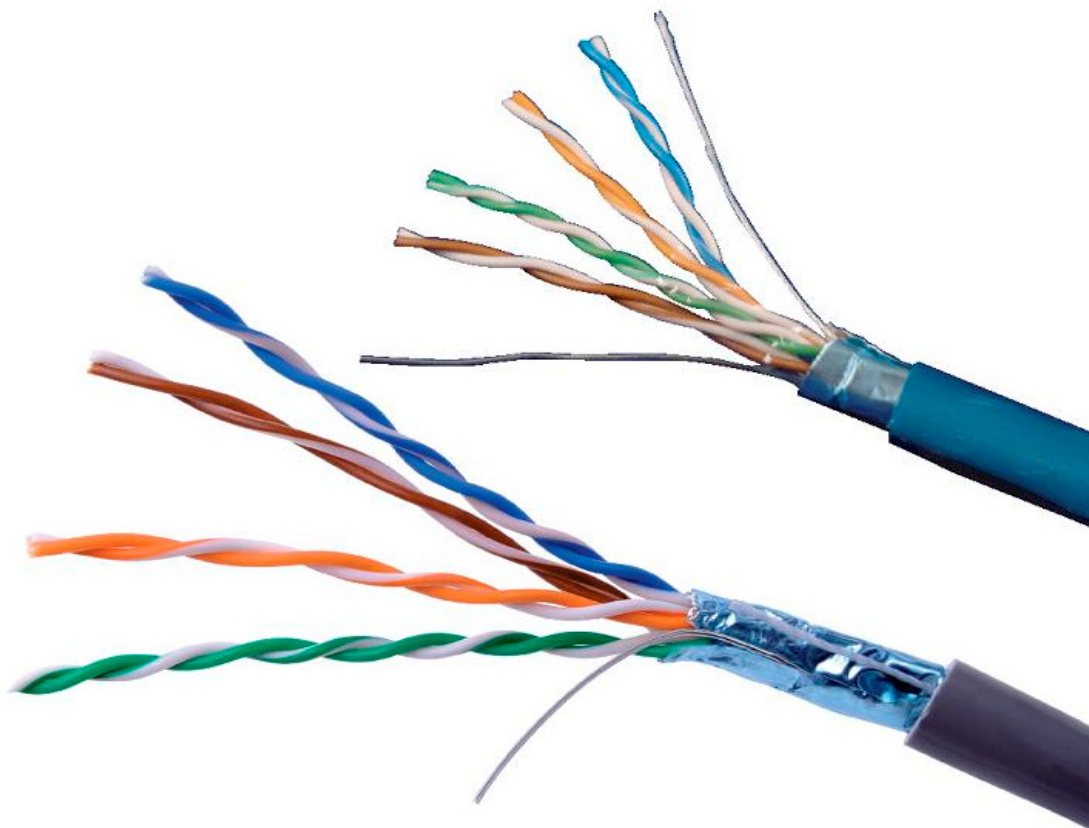
| Nr. perechi X diametru<br>Pair no X diameter<br>(nxmm) | Grosime izolatii<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) |
|--------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|---------------------------------------------|-------------------------------|
| 40x2x0.6                                               | 0.5                                                 | 1.6                                                | 26.7                                        | 1575                          |
| 40x2x0.8                                               | 0.5                                                 | 1.6                                                | 26.7                                        | 2141                          |
| 50x2x0.6                                               | 0.5                                                 | 1.6                                                | 29.0                                        | 1914                          |
| 50x2x0.8                                               | 0.5                                                 | 1.6                                                | 29.0                                        | 2611                          |
| 60x2x0.6                                               | 0.5                                                 | 1.6                                                | 22.9                                        | 1813                          |
| 60x2x0.8                                               | 0.5                                                 | 1.6                                                | 22.9                                        | 2533                          |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor

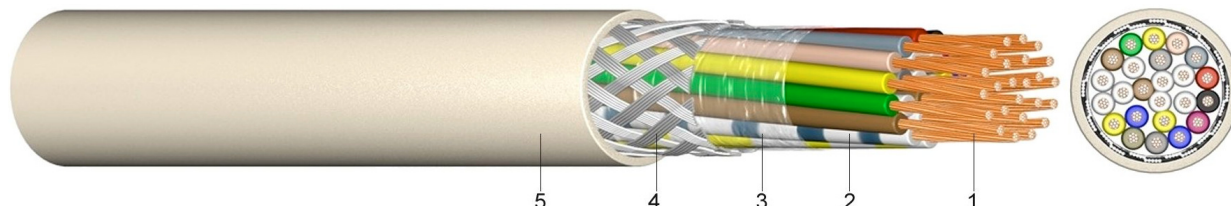




**Cabluri pentru transmisie date, retele calculatoare, alarma |  
Data transmission, computer network, alarm cables**

# LIYY , LIY(St)Y, LIYCY

Cabluri pentru transmitere date | Data transmission cables



## Construcție

1. Conductor de cupru multifilar
2. Izolație din PVC
3. Conductorii rasuciti in straturi
4. Ecran din folie AluPet cu fir de continuitate, sau tresa din sarme de cupru cositorite (grad de acoperire 80%)
5. Manta exterioara din PVC

## Construction

1. Stranded copper conductor
2. PVC insulation
3. Cores twisted by layers
4. Screen of AluPet foil and drain wire, or tinned copper wires (80 % coverage grade)
5. PVC sheath

## Specificatia tehnica

Tensiunea nominala: 250 V  
Tensiunea de incercare: 1.5 kV  
Raza de curbura: min. 15 x D  
Temperatura de lucru: -5 °C up to +80 °C  
Standard de fabricatie: VDE 812  
Identificare conductori conf. DIN 47100  
Culoarea mantalei: gri (RAL 7000)  
Utilizare: pentru transmiterea de date, a semnalelor digitale sau analogice, pentru instrumente de masura, interconectarea calculatoarelor, dispozitivelor electronice, etc.  
Ambalare: colaci de 100 mts sau tamburi drums de 500 mts osau 1 000 mts

## Technical specification

Rated voltage: 250 V  
Test voltage: 1.5 kV  
Bending radius: min. 15 x D  
Perm. operating temperature: -5 °C up to +80 °C  
Manufacturing according to: VDE 812  
Core identification acc. to DIN 47100  
Colour of sheath: grey (RAL 7000)  
Use: Screened flexible cable for data transmission, transmission of analogue or digital signals, for measuring instruments in places with electrical noise, inter-connection of computers, electronic devices, etc.  
Standard packing: coils of 100 mts or drums of 500 mts or 1 000 mts

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm <sup>2</sup> ) | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) |
|--------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|
| <b>LIYY</b>                                                                          |                                                        |                                                    |                                                   |                               |                                                             |
| 2X0.25                                                                               | 0.5                                                    | 0.8                                                | 5.1                                               | 27                            | 85.0000                                                     |
| 2X0.5                                                                                | 0.5                                                    | 0.8                                                | 5.7                                               | 35                            | 36.0000                                                     |
| 2X0.75                                                                               | 0.5                                                    | 0.8                                                | 6.1                                               | 42                            | 24.5000                                                     |
| 2X1                                                                                  | 0.5                                                    | 0.8                                                | 6.5                                               | 49                            | 18.1000                                                     |
| 3X0.25                                                                               | 0.5                                                    | 0.8                                                | 5.4                                               | 34                            | 85.0000                                                     |
| 3X0.5                                                                                | 0.5                                                    | 0.8                                                | 6.0                                               | 44                            | 36.0000                                                     |
| 3X0.75                                                                               | 0.5                                                    | 0.8                                                | 6.4                                               | 54                            | 24.5000                                                     |
| 3X1                                                                                  | 0.5                                                    | 0.8                                                | 6.8                                               | 64                            | 18.1000                                                     |
| 4X0.25                                                                               | 0.5                                                    | 0.8                                                | 5.8                                               | 41                            | 85.0000                                                     |
| 4X0.5                                                                                | 0.5                                                    | 0.8                                                | 6.5                                               | 54                            | 36.0000                                                     |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Grosime<br>izolatii<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) |
|-------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|
| 4X0.75                                                                  | 0.5                                                    | 0.8                                                | 7.0                                               | 66                            | 24.5000                                                     |
| 4X1                                                                     | 0.5                                                    | 0.8                                                | 7.4                                               | 79                            | 18.1000                                                     |
| 5X0.25                                                                  | 0.5                                                    | 0.8                                                | 6.3                                               | 48                            | 85.0000                                                     |
| 5X0.5                                                                   | 0.5                                                    | 0.8                                                | 7.0                                               | 64                            | 36.0000                                                     |
| 5X0.75                                                                  | 0.5                                                    | 0.8                                                | 7.6                                               | 79                            | 24.5000                                                     |
| 5X1                                                                     | 0.5                                                    | 0.8                                                | 8.1                                               | 95                            | 18.1000                                                     |
| 6X0.25                                                                  | 0.5                                                    | 0.8                                                | 6.8                                               | 55                            | 85.0000                                                     |
| 6X0.5                                                                   | 0.5                                                    | 0.8                                                | 7.6                                               | 75                            | 36.0000                                                     |
| 6X0.75                                                                  | 0.5                                                    | 0.8                                                | 8.3                                               | 92                            | 24.5000                                                     |
| 6X1                                                                     | 0.5                                                    | 0.8                                                | 8.8                                               | 111                           | 18.1000                                                     |
| 7X0.25                                                                  | 0.5                                                    | 0.8                                                | 6.8                                               | 60                            | 85.0000                                                     |
| 7X0.5                                                                   | 0.5                                                    | 0.8                                                | 7.6                                               | 83                            | 36.0000                                                     |
| 7X0.75                                                                  | 0.5                                                    | 0.8                                                | 8.3                                               | 103                           | 24.5000                                                     |
| 7X1                                                                     | 0.5                                                    | 0.8                                                | 8.8                                               | 124                           | 18.1000                                                     |
| 8X0.25                                                                  | 0.5                                                    | 0.8                                                | 8.1                                               | 71                            | 85.0000                                                     |
| 8X0.5                                                                   | 0.5                                                    | 0.8                                                | 9.2                                               | 97                            | 36.0000                                                     |
| 8X0.75                                                                  | 0.5                                                    | 0.8                                                | 10.0                                              | 120                           | 24.5000                                                     |
| 8X1                                                                     | 0.5                                                    | 0.8                                                | 10.7                                              | 145                           | 18.1000                                                     |
| 10X0.25                                                                 | 0.5                                                    | 0.8                                                | 8.1                                               | 81                            | 85.0000                                                     |
| 10X0.5                                                                  | 0.5                                                    | 0.8                                                | 9.2                                               | 113                           | 36.0000                                                     |
| 10X0.75                                                                 | 0.5                                                    | 0.8                                                | 10.0                                              | 141                           | 24.5000                                                     |
| 10X1                                                                    | 0.5                                                    | 0.8                                                | 10.7                                              | 172                           | 18.1000                                                     |
| 12X0.25                                                                 | 0.5                                                    | 0.8                                                | 8.1                                               | 92                            | 85.0000                                                     |
| 12X0.5                                                                  | 0.5                                                    | 0.8                                                | 9.2                                               | 129                           | 36.0000                                                     |
| 12X0.75                                                                 | 0.5                                                    | 0.8                                                | 10.0                                              | 162                           | 24.5000                                                     |
| 12X1                                                                    | 0.5                                                    | 0.8                                                | 10.7                                              | 198                           | 18.1000                                                     |
| 14X0.25                                                                 | 0.5                                                    | 0.8                                                | 9.6                                               | 108                           | 85.0000                                                     |
| 14X0.5                                                                  | 0.5                                                    | 0.8                                                | 10.9                                              | 151                           | 36.0000                                                     |
| 14X0.75                                                                 | 0.5                                                    | 0.8                                                | 12.0                                              | 191                           | 24.5000                                                     |
| 14X1                                                                    | 0.5                                                    | 0.8                                                | 12.8                                              | 233                           | 18.1000                                                     |
| 16X0.25                                                                 | 0.5                                                    | 0.8                                                | 9.6                                               | 119                           |                                                             |
| 16X0.5                                                                  | 0.5                                                    | 0.8                                                | 10.9                                              | 167                           | 36.0000                                                     |
| 16X0.75                                                                 | 0.5                                                    | 0.8                                                | 12.0                                              | 212                           | 24.5000                                                     |
| 16X1                                                                    | 0.5                                                    | 0.8                                                | 12.8                                              | 260                           | 18.1000                                                     |
| 19X0.25                                                                 | 0.5                                                    | 0.8                                                | 10.1                                              | 136                           |                                                             |
| 19X0.5                                                                  | 0.5                                                    | 0.8                                                | 11.5                                              | 193                           | 36.0000                                                     |
| 19X0.75                                                                 | 0.5                                                    | 0.8                                                | 12.6                                              | 246                           | 24.5000                                                     |
| 19X1                                                                    | 0.5                                                    | 0.8                                                | 13.5                                              | 302                           | 18.1000                                                     |
| 24X0.25                                                                 | 0.5                                                    | 0.8                                                | 11.8                                              | 169                           |                                                             |
| 24X0.5                                                                  | 0.5                                                    | 0.8                                                | 13.5                                              | 241                           | 36.0000                                                     |
| 24X0.75                                                                 | 0.5                                                    | 0.8                                                | 14.8                                              | 307                           | 24.5000                                                     |
| 24X1                                                                    | 0.5                                                    | 0.8                                                | 15.9                                              | 378                           | 18.1000                                                     |
| 27X0.25                                                                 | 0.5                                                    | 0.8                                                | 12.1                                              | 186                           |                                                             |
| 27X0.5                                                                  | 0.5                                                    | 0.8                                                | 13.8                                              | 266                           | 36.0000                                                     |
| 27X0.75                                                                 | 0.5                                                    | 0.8                                                | 15.1                                              | 340                           | 24.5000                                                     |
| 27X1                                                                    | 0.5                                                    | 0.8                                                | 16.2                                              | 419                           | 18.1000                                                     |
| 30X0.25                                                                 | 0.5                                                    | 0.8                                                | 12.5                                              | 203                           | 85.0000                                                     |
| 30X0.5                                                                  | 0.5                                                    | 0.8                                                | 14.3                                              | 292                           | 36.0000                                                     |
| 30X0.75                                                                 | 0.5                                                    | 0.8                                                | 15.7                                              | 374                           | 24.5000                                                     |

| Nr. conductori x<br>sestiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) |
|-------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|
| 30X1                                                                    | 0.5                                                    | 0.8                                                | 16.8                                              | 461                           | 18.1000                                                     |
| 37X0.25                                                                 | 0.5                                                    | 0.8                                                | 13.5                                              | 244                           | 85.0000                                                     |
| 37X0.5                                                                  | 0.5                                                    | 0.8                                                | 15.4                                              | 352                           | 36.0000                                                     |
| 37X0.75                                                                 | 0.5                                                    | 0.8                                                | 17.0                                              | 453                           | 24.5000                                                     |
| 37X1                                                                    | 0.5                                                    | 0.8                                                | 18.2                                              | 559                           | 18.1000                                                     |
| 40X0.25                                                                 | 0.5                                                    | 0.8                                                | 6.8                                               | 233                           | 85.0000                                                     |
| 40X0.5                                                                  | 0.5                                                    | 0.8                                                | 7.6                                               | 345                           | 36.0000                                                     |
| 40X0.75                                                                 | 0.5                                                    | 0.8                                                | 8.3                                               | 450                           | 24.5000                                                     |
| 40X1                                                                    | 0.5                                                    | 0.8                                                | 8.8                                               | 562                           | 18.1000                                                     |
| 44X0.25                                                                 | 0.5                                                    | 0.8                                                | 15.2                                              | 287                           | 85.0000                                                     |
| 44X0.5                                                                  | 0.5                                                    | 0.8                                                | 17.4                                              | 416                           | 36.0000                                                     |
| 44X0.75                                                                 | 0.5                                                    | 0.8                                                | 19.1                                              | 535                           | 24.5000                                                     |
| 44X1                                                                    | 0.5                                                    | 0.8                                                | 20.6                                              | 662                           | 18.1000                                                     |
| 52X0.25                                                                 | 0.5                                                    | 0.8                                                | 15.8                                              | 332                           | 85.0000                                                     |
| 52X0.5                                                                  | 0.5                                                    | 0.8                                                | 18.2                                              | 482                           | 36.0000                                                     |
| 52X0.75                                                                 | 0.5                                                    | 0.8                                                | 20.0                                              | 622                           | 24.5000                                                     |
| 52X1                                                                    | 0.5                                                    | 0.8                                                | 21.5                                              | 771                           | 18.1000                                                     |
| 61X0.25                                                                 | 0.5                                                    | 0.8                                                | 16.8                                              | 383                           | 85.0000                                                     |
| 61X0.5                                                                  | 0.5                                                    | 0.8                                                | 19.4                                              | 559                           | 36.0000                                                     |
| 61X0.75                                                                 | 0.5                                                    | 0.8                                                | 21.3                                              | 722                           | 24.5000                                                     |
| 61X1                                                                    | 0.5                                                    | 0.8                                                | 22.9                                              | 896                           | 18.1000                                                     |
| <b>LIY(St)Y</b>                                                         |                                                        |                                                    |                                                   |                               |                                                             |
| 2X0.25                                                                  | 0.5                                                    | 0.8                                                | 5.1                                               | 29                            | 85.0000                                                     |
| 2X0.5                                                                   | 0.5                                                    | 0.8                                                | 5.7                                               | 37                            | 36.0000                                                     |
| 2X0.75                                                                  | 0.5                                                    | 0.8                                                | 6.1                                               | 44                            | 24.5000                                                     |
| 2X1                                                                     | 0.5                                                    | 0.8                                                | 6.5                                               | 51                            | 18.1000                                                     |
| 3X0.25                                                                  | 0.5                                                    | 0.8                                                | 5.4                                               | 36                            | 85.0000                                                     |
| 3X0.5                                                                   | 0.5                                                    | 0.8                                                | 6.0                                               | 46                            | 36.0000                                                     |
| 3X0.75                                                                  | 0.5                                                    | 0.8                                                | 6.4                                               | 56                            | 24.5000                                                     |
| 3X1                                                                     | 0.5                                                    | 0.8                                                | 6.8                                               | 66                            | 18.1000                                                     |
| 4X0.25                                                                  | 0.5                                                    | 0.8                                                | 5.8                                               | 43                            | 85.0000                                                     |
| 4X0.5                                                                   | 0.5                                                    | 0.8                                                | 6.5                                               | 56                            | 36.0000                                                     |
| 4X0.75                                                                  | 0.5                                                    | 0.8                                                | 7.0                                               | 69                            | 24.5000                                                     |
| 4X1                                                                     | 0.5                                                    | 0.8                                                | 7.4                                               | 82                            | 18.1000                                                     |
| 5X0.25                                                                  | 0.5                                                    | 0.8                                                | 6.3                                               | 50                            | 85.0000                                                     |
| 5X0.5                                                                   | 0.5                                                    | 0.8                                                | 7.0                                               | 67                            | 36.0000                                                     |
| 5X0.75                                                                  | 0.5                                                    | 0.8                                                | 7.6                                               | 82                            | 24.5000                                                     |
| 5X1                                                                     | 0.5                                                    | 0.8                                                | 8.1                                               | 98                            | 18.1000                                                     |
| 6X0.25                                                                  | 0.5                                                    | 0.8                                                | 6.8                                               | 57                            | 85.0000                                                     |
| 6X0.5                                                                   | 0.5                                                    | 0.8                                                | 7.6                                               | 77                            | 36.0000                                                     |
| 6X0.75                                                                  | 0.5                                                    | 0.8                                                | 8.3                                               | 95                            | 24.5000                                                     |
| 6X1                                                                     | 0.5                                                    | 0.8                                                | 8.8                                               | 114                           | 18.1000                                                     |
| 7X0.25                                                                  | 0.5                                                    | 0.8                                                | 6.8                                               | 63                            | 85.0000                                                     |
| 7X0.5                                                                   | 0.5                                                    | 0.8                                                | 7.6                                               | 85                            | 36.0000                                                     |
| 7X0.75                                                                  | 0.5                                                    | 0.8                                                | 8.3                                               | 106                           | 24.5000                                                     |
| 7X1                                                                     | 0.5                                                    | 0.8                                                | 8.8                                               | 127                           | 18.1000                                                     |
| 8X0.25                                                                  | 0.5                                                    | 0.8                                                | 8.1                                               | 73                            | 85.0000                                                     |
| 8X0.5                                                                   | 0.5                                                    | 0.8                                                | 9.2                                               | 100                           | 36.0000                                                     |
| 8X0.75                                                                  | 0.5                                                    | 0.8                                                | 10.0                                              | 123                           | 24.5000                                                     |

| Nr. conductori x<br>sestiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Grosime<br>izolatie<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) |
|-------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|
| 8X1                                                                     | 0.5                                                    | 0.8                                                | 10.7                                              | 148                           | 18.1000                                                     |
| 10X0.25                                                                 | 0.5                                                    | 0.8                                                | 8.1                                               | 84                            | 85.0000                                                     |
| 10X0.5                                                                  | 0.5                                                    | 0.8                                                | 9.2                                               | 115                           | 36.0000                                                     |
| 10X0.75                                                                 | 0.5                                                    | 0.8                                                | 10.0                                              | 144                           | 24.5000                                                     |
| 10X1                                                                    | 0.5                                                    | 0.8                                                | 10.7                                              | 175                           | 18.1000                                                     |
| 12X0.25                                                                 | 0.5                                                    | 0.8                                                | 8.1                                               | 94                            | 85.0000                                                     |
| 12X0.5                                                                  | 0.5                                                    | 0.8                                                | 9.2                                               | 131                           | 36.0000                                                     |
| 12X0.75                                                                 | 0.5                                                    | 0.8                                                | 10.0                                              | 165                           | 24.5000                                                     |
| 12X1                                                                    | 0.5                                                    | 0.8                                                | 10.7                                              | 201                           | 18.1000                                                     |
| 14X0.25                                                                 | 0.5                                                    | 0.8                                                | 9.6                                               | 111                           | 85.0000                                                     |
| 14X0.5                                                                  | 0.5                                                    | 0.8                                                | 10.9                                              | 155                           | 36.0000                                                     |
| 14X0.75                                                                 | 0.5                                                    | 0.8                                                | 12.0                                              | 195                           | 24.5000                                                     |
| 14X1                                                                    | 0.5                                                    | 0.8                                                | 12.8                                              | 237                           | 18.1000                                                     |
| 16X0.25                                                                 | 0.5                                                    | 0.8                                                | 9.6                                               | 122                           | 85.0000                                                     |
| 16X0.5                                                                  | 0.5                                                    | 0.8                                                | 10.9                                              | 171                           | 36.0000                                                     |
| 16X0.75                                                                 | 0.5                                                    | 0.8                                                | 12.0                                              | 216                           | 24.5000                                                     |
| 16X1                                                                    | 0.5                                                    | 0.8                                                | 12.8                                              | 263                           | 18.1000                                                     |
| 19X0.25                                                                 | 0.5                                                    | 0.8                                                | 10.1                                              | 139                           | 85.0000                                                     |
| 19X0.5                                                                  | 0.5                                                    | 0.8                                                | 11.5                                              | 197                           | 36.0000                                                     |
| 19X0.75                                                                 | 0.5                                                    | 0.8                                                | 12.6                                              | 250                           | 24.5000                                                     |
| 19X1                                                                    | 0.5                                                    | 0.8                                                | 13.5                                              | 306                           | 18.1000                                                     |
| 24X0.25                                                                 | 0.5                                                    | 0.8                                                | 11.8                                              | 173                           | 85.0000                                                     |
| 24X0.5                                                                  | 0.5                                                    | 0.8                                                | 13.5                                              | 245                           | 36.0000                                                     |
| 24X0.75                                                                 | 0.5                                                    | 0.8                                                | 14.8                                              | 311                           | 24.5000                                                     |
| 24X1                                                                    | 0.5                                                    | 0.8                                                | 15.9                                              | 382                           | 18.1000                                                     |
| 27X0.25                                                                 | 0.5                                                    | 0.8                                                | 12.1                                              | 189                           | 85.0000                                                     |
| 27X0.5                                                                  | 0.5                                                    | 0.8                                                | 13.8                                              | 270                           | 36.0000                                                     |
| 27X0.75                                                                 | 0.5                                                    | 0.8                                                | 15.1                                              | 344                           | 24.5000                                                     |
| 27X1                                                                    | 0.5                                                    | 0.8                                                | 16.2                                              | 423                           | 18.1000                                                     |
| 30X0.25                                                                 | 0.5                                                    | 0.8                                                | 12.5                                              | 207                           | 85.0000                                                     |
| 30X0.5                                                                  | 0.5                                                    | 0.8                                                | 14.3                                              | 296                           | 36.0000                                                     |
| 30X0.75                                                                 | 0.5                                                    | 0.8                                                | 15.7                                              | 378                           | 24.5000                                                     |
| 30X1                                                                    | 0.5                                                    | 0.8                                                | 16.8                                              | 466                           | 18.1000                                                     |
| 37X0.25                                                                 | 0.5                                                    | 0.8                                                | 13.5                                              | 248                           | 85.0000                                                     |
| 37X0.5                                                                  | 0.5                                                    | 0.8                                                | 15.4                                              | 357                           | 36.0000                                                     |
| 37X0.75                                                                 | 0.5                                                    | 0.8                                                | 17.0                                              | 457                           | 24.5000                                                     |
| 37X1                                                                    | 0.5                                                    | 0.8                                                | 18.2                                              | 564                           | 18.1000                                                     |
| 40X0.25                                                                 | 0.5                                                    | 0.8                                                | 6.8                                               | 236                           | 85.0000                                                     |
| 40X0.5                                                                  | 0.5                                                    | 0.8                                                | 7.6                                               | 348                           | 36.0000                                                     |
| 40X0.75                                                                 | 0.5                                                    | 0.8                                                | 8.3                                               | 452                           | 24.5000                                                     |
| 40X1                                                                    | 0.5                                                    | 0.8                                                | 8.8                                               | 565                           | 18.1000                                                     |
| 44X0.25                                                                 | 0.5                                                    | 0.8                                                | 15.2                                              | 292                           | 85.0000                                                     |
| 44X0.5                                                                  | 0.5                                                    | 0.8                                                | 17.4                                              | 420                           | 36.0000                                                     |
| 44X0.75                                                                 | 0.5                                                    | 0.8                                                | 19.1                                              | 540                           | 24.5000                                                     |
| 44X1                                                                    | 0.5                                                    | 0.8                                                | 20.6                                              | 667                           | 18.1000                                                     |
| 52X0.25                                                                 | 0.5                                                    | 0.8                                                | 15.8                                              | 336                           | 85.0000                                                     |
| 52X0.5                                                                  | 0.5                                                    | 0.8                                                | 18.2                                              | 487                           | 36.0000                                                     |
| 52X0.75                                                                 | 0.5                                                    | 0.8                                                | 20.0                                              | 628                           | 24.5000                                                     |
| 52X1                                                                    | 0.5                                                    | 0.8                                                | 21.5                                              | 777                           | 18.1000                                                     |

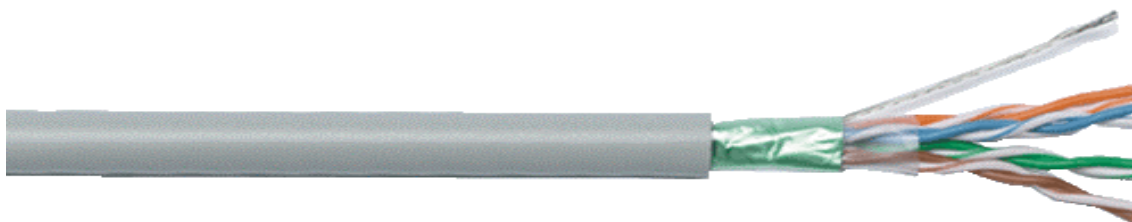
| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Grosime<br>izolatii<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistenta max.<br>Max. conductor<br>resistance<br>(ohm/km) |
|-------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|
| 61X0.25                                                                 | 0.5                                                    | 0.8                                                | 16.8                                              | 388                           | 85.0000                                                     |
| 61X0.5                                                                  | 0.5                                                    | 0.8                                                | 19.4                                              | 564                           | 36.0000                                                     |
| 61X0.75                                                                 | 0.5                                                    | 0.8                                                | 21.3                                              | 728                           | 24.5000                                                     |
| 61X1                                                                    | 0.5                                                    | 0.8                                                | 22.9                                              | 902                           | 18.1000                                                     |
| <b>LIYCY</b>                                                            |                                                        |                                                    |                                                   |                               |                                                             |
| 2X0.25                                                                  | 0.5                                                    | 0.8                                                | 5.9                                               | 36                            | 85.0000                                                     |
| 2X0.5                                                                   | 0.5                                                    | 0.8                                                | 6.5                                               | 44                            | 36.0000                                                     |
| 2X0.75                                                                  | 0.5                                                    | 0.8                                                | 6.9                                               | 51                            | 24.5000                                                     |
| 2X1                                                                     | 0.5                                                    | 0.8                                                | 7.3                                               | 58                            | 18.1000                                                     |
| 3X0.25                                                                  | 0.5                                                    | 0.8                                                | 6.2                                               | 43                            | 85.0000                                                     |
| 3X0.5                                                                   | 0.5                                                    | 0.8                                                | 6.8                                               | 53                            | 36.0000                                                     |
| 3X0.75                                                                  | 0.5                                                    | 0.8                                                | 7.2                                               | 63                            | 24.5000                                                     |
| 3X1                                                                     | 0.5                                                    | 0.8                                                | 7.6                                               | 73                            | 18.1000                                                     |
| 4X0.25                                                                  | 0.5                                                    | 0.8                                                | 6.6                                               | 50                            | 85.0000                                                     |
| 4X0.5                                                                   | 0.5                                                    | 0.8                                                | 7.3                                               | 63                            | 36.0000                                                     |
| 4X0.75                                                                  | 0.5                                                    | 0.8                                                | 7.8                                               | 76                            | 24.5000                                                     |
| 4X1                                                                     | 0.5                                                    | 0.8                                                | 8.2                                               | 89                            | 18.1000                                                     |
| 5X0.25                                                                  | 0.5                                                    | 0.8                                                | 7.1                                               | 57                            | 85.0000                                                     |
| 5X0.5                                                                   | 0.5                                                    | 0.8                                                | 7.8                                               | 74                            | 36.0000                                                     |
| 5X0.75                                                                  | 0.5                                                    | 0.8                                                | 8.4                                               | 89                            | 24.5000                                                     |
| 5X1                                                                     | 0.5                                                    | 0.8                                                | 8.9                                               | 105                           | 18.1000                                                     |
| 6X0.25                                                                  | 0.5                                                    | 0.8                                                | 7.6                                               | 64                            | 85.0000                                                     |
| 6X0.5                                                                   | 0.5                                                    | 0.8                                                | 8.4                                               | 84                            | 36.0000                                                     |
| 6X0.75                                                                  | 0.5                                                    | 0.8                                                | 9.1                                               | 102                           | 24.5000                                                     |
| 6X1                                                                     | 0.5                                                    | 0.8                                                | 9.6                                               | 121                           | 18.1000                                                     |
| 7X0.25                                                                  | 0.5                                                    | 0.8                                                | 7.6                                               | 70                            | 85.0000                                                     |
| 7X0.5                                                                   | 0.5                                                    | 0.8                                                | 8.4                                               | 92                            | 36.0000                                                     |
| 7X0.75                                                                  | 0.5                                                    | 0.8                                                | 9.1                                               | 113                           | 24.5000                                                     |
| 7X1                                                                     | 0.5                                                    | 0.8                                                | 9.6                                               | 134                           | 18.1000                                                     |
| 8X0.25                                                                  | 0.5                                                    | 0.8                                                | 8.9                                               | 80                            | 85.0000                                                     |
| 8X0.5                                                                   | 0.5                                                    | 0.8                                                | 10.0                                              | 106                           | 36.0000                                                     |
| 8X0.75                                                                  | 0.5                                                    | 0.8                                                | 10.8                                              | 130                           | 24.5000                                                     |
| 8X1                                                                     | 0.5                                                    | 0.8                                                | 11.5                                              | 155                           | 18.1000                                                     |
| 10X0.25                                                                 | 0.5                                                    | 0.8                                                | 8.9                                               | 91                            | 85.0000                                                     |
| 10X0.5                                                                  | 0.5                                                    | 0.8                                                | 10.0                                              | 122                           | 36.0000                                                     |
| 10X0.75                                                                 | 0.5                                                    | 0.8                                                | 10.8                                              | 151                           | 24.5000                                                     |
| 10X1                                                                    | 0.5                                                    | 0.8                                                | 11.5                                              | 182                           | 18.1000                                                     |
| 12X0.25                                                                 | 0.5                                                    | 0.8                                                | 8.9                                               | 101                           | 85.0000                                                     |
| 12X0.5                                                                  | 0.5                                                    | 0.8                                                | 10.0                                              | 138                           | 36.0000                                                     |
| 12X0.75                                                                 | 0.5                                                    | 0.8                                                | 10.8                                              | 172                           | 24.5000                                                     |
| 12X1                                                                    | 0.5                                                    | 0.8                                                | 11.5                                              | 208                           | 18.1000                                                     |
| 14X0.25                                                                 | 0.5                                                    | 0.8                                                | 10.4                                              | 118                           | 85.0000                                                     |
| 14X0.5                                                                  | 0.5                                                    | 0.8                                                | 11.7                                              | 162                           | 36.0000                                                     |
| 14X0.75                                                                 | 0.5                                                    | 0.8                                                | 12.8                                              | 201                           | 24.5000                                                     |
| 14X1                                                                    | 0.5                                                    | 0.8                                                | 13.6                                              | 243                           | 18.1000                                                     |
| 16X0.25                                                                 | 0.5                                                    | 0.8                                                | 10.4                                              | 129                           | 85.0000                                                     |
| 16X0.5                                                                  | 0.5                                                    | 0.8                                                | 11.7                                              | 177                           | 36.0000                                                     |
| 16X0.75                                                                 | 0.5                                                    | 0.8                                                | 12.8                                              | 222                           | 24.5000                                                     |
| 16X1                                                                    | 0.5                                                    | 0.8                                                | 13.6                                              | 270                           | 18.1000                                                     |

| Nr. conductori x<br>secțiunea<br>Cores no x<br>cross-section<br>(nxmm2) | Grosime<br>izolație<br>Insulation<br>thickness<br>(mm) | Grosime manta<br>Outer sheath<br>thickness<br>(mm) | Diametru<br>exterior<br>Outer<br>diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistență max.<br>Max. conductor<br>resistance<br>(ohm/km) |
|-------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|-------------------------------|-------------------------------------------------------------|
| 19X0.25                                                                 | 0.5                                                    | 0.8                                                | 10.9                                              | 146                           | 85.0000                                                     |
| 19X0.5                                                                  | 0.5                                                    | 0.8                                                | 12.3                                              | 204                           | 36.0000                                                     |
| 19X0.75                                                                 | 0.5                                                    | 0.8                                                | 13.4                                              | 257                           | 24.5000                                                     |
| 19X1                                                                    | 0.5                                                    | 0.8                                                | 14.3                                              | 313                           | 18.1000                                                     |
| 24X0.25                                                                 | 0.5                                                    | 0.8                                                | 12.6                                              | 180                           | 85.0000                                                     |
| 24X0.5                                                                  | 0.5                                                    | 0.8                                                | 14.3                                              | 252                           | 36.0000                                                     |
| 24X0.75                                                                 | 0.5                                                    | 0.8                                                | 15.6                                              | 318                           | 24.5000                                                     |
| 24X1                                                                    | 0.5                                                    | 0.8                                                | 16.7                                              | 389                           | 18.1000                                                     |
| 27X0.25                                                                 | 0.5                                                    | 0.8                                                | 12.9                                              | 196                           | 85.0000                                                     |
| 27X0.5                                                                  | 0.5                                                    | 0.8                                                | 14.6                                              | 277                           | 36.0000                                                     |
| 27X0.75                                                                 | 0.5                                                    | 0.8                                                | 15.9                                              | 351                           | 24.5000                                                     |
| 27X1                                                                    | 0.5                                                    | 0.8                                                | 17.0                                              | 430                           | 18.1000                                                     |
| 30X0.25                                                                 | 0.5                                                    | 0.8                                                | 13.3                                              | 214                           | 85.0000                                                     |
| 30X0.5                                                                  | 0.5                                                    | 0.8                                                | 15.1                                              | 303                           | 36.0000                                                     |
| 30X0.75                                                                 | 0.5                                                    | 0.8                                                | 16.5                                              | 385                           | 24.5000                                                     |
| 30X1                                                                    | 0.5                                                    | 0.8                                                | 17.6                                              | 472                           | 18.1000                                                     |
| 37X0.25                                                                 | 0.5                                                    | 0.8                                                | 14.3                                              | 255                           | 85.0000                                                     |
| 37X0.5                                                                  | 0.5                                                    | 0.8                                                | 16.2                                              | 363                           | 36.0000                                                     |
| 37X0.75                                                                 | 0.5                                                    | 0.8                                                | 17.8                                              | 464                           | 24.5000                                                     |
| 37X1                                                                    | 0.5                                                    | 0.8                                                | 19.0                                              | 571                           | 18.1000                                                     |
| 40X0.25                                                                 | 0.5                                                    | 0.8                                                | 7.6                                               | 243                           | 85.0000                                                     |
| 40X0.5                                                                  | 0.5                                                    | 0.8                                                | 8.4                                               | 355                           | 36.0000                                                     |
| 40X0.75                                                                 | 0.5                                                    | 0.8                                                | 9.1                                               | 459                           | 24.5000                                                     |
| 40X1                                                                    | 0.5                                                    | 0.8                                                | 9.6                                               | 572                           | 18.1000                                                     |
| 44X0.25                                                                 | 0.5                                                    | 0.8                                                | 16.0                                              | 298                           | 85.0000                                                     |
| 44X0.5                                                                  | 0.5                                                    | 0.8                                                | 18.2                                              | 427                           | 36.0000                                                     |
| 44X0.75                                                                 | 0.5                                                    | 0.8                                                | 19.9                                              | 546                           | 24.5000                                                     |
| 44X1                                                                    | 0.5                                                    | 0.8                                                | 21.4                                              | 674                           | 18.1000                                                     |
| 52X0.25                                                                 | 0.5                                                    | 0.8                                                | 16.6                                              | 343                           | 85.0000                                                     |
| 52X0.5                                                                  | 0.5                                                    | 0.8                                                | 19.0                                              | 494                           | 36.0000                                                     |
| 52X0.75                                                                 | 0.5                                                    | 0.8                                                | 20.8                                              | 634                           | 24.5000                                                     |
| 52X1                                                                    | 0.5                                                    | 0.8                                                | 22.3                                              | 784                           | 18.1000                                                     |
| 61X0.25                                                                 | 0.5                                                    | 0.8                                                | 17.6                                              | 394                           | 85.0000                                                     |
| 61X0.5                                                                  | 0.5                                                    | 0.8                                                | 20.2                                              | 570                           | 36.0000                                                     |
| 61X0.75                                                                 | 0.5                                                    | 0.8                                                | 22.1                                              | 734                           | 24.5000                                                     |
| 61X1                                                                    | 0.5                                                    | 0.8                                                | 23.7                                              | 909                           | 18.1000                                                     |



## Cat 5e UTP, Cat 6e UTP

Cabluri pentru retele de calculatoare | Computer network cables



### Construcție

1. Conductor de cupru unifilar
2. Izolație din PE
3. Ecran din folie AluPet+fir continuitate sau din tresa din sirme de cupru
4. Manta exterioară din PVC

### Construction

1. Solid copper conductor
2. PE insulation
3. Screen of AluPet foil + drain wire or copper braided wire
4. PVC outer sheath

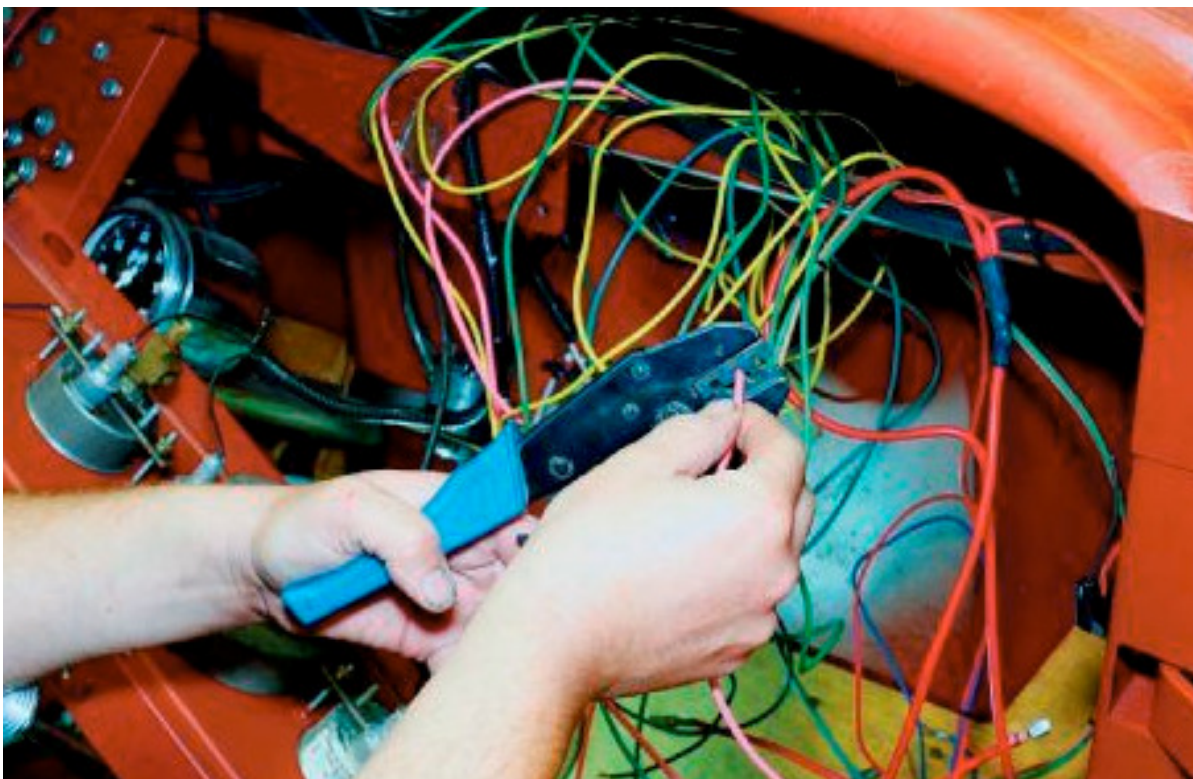
### Specificația tehnică

Raza de curbura: min. 8x Cable diameter  
Tensiunea de lucru : 250 V  
Tensiunea de testare : 1.2 KV  
Gama de temperatura : -20 / +60°C  
Rezistența de izolație: min. 5000 MΩkm  
Capacitatea : max. 56,0 pF/m (1KHz)  
Impedanță : 100±%15Ω(1MHz)  
Frecvență : 155 MHz  
Lungimea de undă: max. : 100m  
Atenuarea : 22 dB (100 MHz)  
Standard de fabricație: EIA/TIA 568  
Utilizarea: aceste cabluri asigură o performanță ridicată până la 155 MHz.  
Pasul de rasucire diferit și foarte scurt garantează o atenuare încrucișată ridicată.  
Ecranul protejează împotriva interferențelor magnetice.  
Culoarea izolației perechilor  
1) alb cu albastru/albastru  
2) alb cu portocaliu/portocaliu  
3) alb cu verde/verde  
4) alb cu maro/maro  
Ambalare: colaci de 100 și 200 m acoperiți cu folie din plastic, cutii de carton, bobine.

### Technical specification

Bending radius : 8x Cable diameter  
Working voltage : 250 V  
Test voltage : 1.2 KV  
Temp. range : -20 / +60°C  
Insulation resistance: min. 5000 MΩkm  
Capacitance : max. 56,0 pF/m (1KHz)  
Impedance : 100±%15Ω(1MHz)  
Frequency : 155 MHz  
Length max. : 100m  
Attenuation : 22 dB (100 MHz)  
Manufacturing standard: EIA/TIA 568  
Use: These cables ensure high performance up to 155 MHz. Different and very short lay lengths of pairs guarantee high crosstalk attenuation values. Screening protects cable against electromagnetic interference.  
Core colours  
1) White-blue stripe / blue  
2) White-orange stripe / orange  
3) White-green stripe / green  
4) White-brown stripe / brown  
Standard packing: coils 100 and 200 m covered with plastic foil, in carton boxes, reels

| Simbol cablu<br>Cable symbol | Grosime izolație<br>Insulation thickness<br>(mm) | Grosime manta<br>Outer sheath thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate<br>Weight<br>(kg/km) | Rezistență max.<br>Max. conductor resistance<br>(ohm/km) |
|------------------------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------|-------------------------------|----------------------------------------------------------|
| Cat 5e UTP 4x2x0,5           | 0.2                                              | 0.6                                             | 5.6                                         | 60                            | 18.1000                                                  |
| Cat 6e UTP 4x2x0,6           | 0.2                                              | 0.6                                             | 6.2                                         | 72                            | 18.0000                                                  |



**Conducte pentru autovehicole |  
Automotive flexible conduits PVC insulated**

## VLPY

Conducte flexibile cu izolatie din PVC pentru autovehicole | Automotive flexible conduits PVC insulated



| Construcie                                                                                                                                                                                                                                                                                                              | Construction                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor flexibil din cupru, clasa 5<br>2. Izolatie din PVC                                                                                                                                                                                                                                                         | 1. Stranded copper conductor, class 5<br>2. PVC insulation                                                                                                                                                                                                                                                           |
| Specificatia tehnica                                                                                                                                                                                                                                                                                                    | Technical specification                                                                                                                                                                                                                                                                                              |
| Tensiunea max.: 50 V c.a., 75 V, c.c.<br>Temperatura de lucru: min. -20 °C max. +85 °C<br>Utilizare: confectionare cablaje auto<br>Culoarea izolatiei: negru,albastru,maro,gri, portocaliu,rosu,violet,alb, verde si galben<br>Standard de fabricatie: SR ISO 6722/3, DIN 72551/2<br>Ambalare: colaci de 100, tamburi . | Ma. rated voltage: 50 V c.a., 75 V, c.c.<br>Operating temperature: min. -20 °C max. +85 °C<br>Use: automotive cable harnesses<br>Colour of insulation: black, blue, brown, gray, orange,red, violet, white, green and yellow<br>Manufactured according to: SR ISO 6722/3, DIN 72551/2<br>Packing: coils 100 m, reels |

| Nr. conductori x<br>sectiunea<br>Cores no x<br>cross-section<br>(nxmm <sup>2</sup> ) | Forma conductor<br>Conductor shape | Grosime izolatia<br>Insulation<br>thickness<br>(mm) | Diametru exterior<br>Outer diameter<br>(mm) | Greutate cupru<br>Copper weight<br>(kg/km) | Greutate cable<br>Cable weight<br>(kg/km) |
|--------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------|---------------------------------------------|--------------------------------------------|-------------------------------------------|
| 0.35                                                                                 | rm                                 | 0.6                                                 | 2.0                                         | 3                                          | 7                                         |
| 0.5                                                                                  | rm                                 | 0.6                                                 | 2.1                                         | 4                                          | 9                                         |
| 0.75                                                                                 | rm                                 | 0.6                                                 | 2.3                                         | 6                                          | 11                                        |
| 1                                                                                    | rm                                 | 0.6                                                 | 2.5                                         | 8                                          | 14                                        |
| 1.5                                                                                  | rm                                 | 0.7                                                 | 3.0                                         | 12                                         | 20                                        |
| 2.5                                                                                  | rm                                 | 0.8                                                 | 3.6                                         | 21                                         | 32                                        |
| 4                                                                                    | rm                                 | 0.8                                                 | 4.2                                         | 34                                         | 48                                        |
| 6                                                                                    | rm                                 | 0.8                                                 | 5.2                                         | 50                                         | 67                                        |
| 10                                                                                   | rm                                 | 1.0                                                 | 6.8                                         | 87                                         | 116                                       |
| 16                                                                                   | rm                                 | 1.0                                                 | 7.9                                         | 134                                        | 169                                       |

ru – conductor rotund unifilar | round solid conductor

rm – conductor rotund multifilar | round stranded conductor

sm –conductor sector multifilar | stranded sector shaped conductor



**Date tehnice | Technical data**

## Simbolizarea cablurilor de energie conform DIN VDE 0271 /0276 | Designation code for power cables acc. to DIN VDE 0271 /0276

| Simbol | Semnificatie                                     | Identifications of designation                   |
|--------|--------------------------------------------------|--------------------------------------------------|
| N      | Standard DIN VDE                                 | DIN VDE standard                                 |
|        | <u>Material conductor</u><br>conductor din cupru | <u>Conductor material</u><br>copper conductor    |
| A      | conductor din aluminiu                           | aluminium conductor                              |
|        | <u>Material izolat</u>                           | <u>Insulation material</u>                       |
| Y      | PVC                                              | PVC                                              |
| 2X     | PE reticulabila(XLPE)                            | cross-linking PE(XLPE)                           |
|        | <u>Conductor concentric(ecran)</u>               | <u>Concentric conductor(screen)</u>              |
| C      | conductor concentric din cupru                   | concentric conductor of copper                   |
| S      | ecran din sirme de cupru                         | screen of copper wires                           |
| SE     | ecran din sirme de cupru peste fiecare           | screen of copper wires over each individual core |
| H      | strat conductor                                  | conductive layers                                |
| (F)    | ecran longitudinal hidroprotector                | longitudinally water-proof screen                |
| (FL)   | zona longitudinala hidroprotectoare              | Longitudinal watertight screen region            |
|        | <u>Material manta</u>                            | <u>Sheath material</u>                           |
| Y      | PVC                                              | PVC                                              |
| 2Y     | PE                                               | PE                                               |
|        | <u>Tip conductor</u>                             | <u>Conductor type</u>                            |
| RE     | rotund(R) unifilar(E)                            | circular(R) solid(E) conductor                   |
| RM     | rotund(R) multifilar(M)                          | circular(R) stranded(M) conductor                |
| SE     | sector(S) unifilar(E)                            | sector(S) solid(E) conductor                     |
| SM     | sector(S) multifilar(M)                          | sector(S) stranded(M) conductor                  |

### Exemplu

#### NYCY 7 x 1,5 RE/2,5 0,6/1 kV

Cablu cu izolatie si manta din PVC, cu 7 conductori de sectiune nominala 1,5 mm<sup>2</sup>, conductor circular , solid, conductor concentric din cupru de sectiune 2,5 mm<sup>2</sup>, tensiune nominala 0,6/1 kV

### Example

#### NYCY 7 x 1,5 RE/2,5 0,6/1 kV

PVC-insulated cable, PVC sheath, 7 cores with nominalcross section 1,5 mm<sup>2</sup>, circular conductor, solid, concentricconductor of copper with cross section 2,5 mm<sup>2</sup>, ratingvoltage 0,6/1 kV



# Simbolizarea cablurilor armonizate conform DIN VDE 0281/DIN VDE 0282/DIN VDE 0292 |

## Designation code for harmonized cables acc. to DIN VDE 0281/DIN VDE 0282/DIN VDE 0292

| <u>Simbol</u> | <u>Semnificatie</u>                             | <u>Identifications of designation</u>              |
|---------------|-------------------------------------------------|----------------------------------------------------|
| A             | standarde nationale autorizate                  | authorized national standards                      |
| H             | standarde armonizate                            | harmonized standards                               |
|               | Tensiunea nominala                              | Nominal voltage V                                  |
| 01            | 100 V                                           | 100 V                                              |
| 03            | 300/300 V                                       | 300/300 V                                          |
| 05            | 300/500V                                        | 300/500V                                           |
| 07            | 450/750 V                                       | 450/750 V                                          |
|               | Material izolatie                               | Insulation material                                |
| B             | cauic etilen-propilenic(EPR)                    | (EPR) Ethylene-propylene-rubber                    |
| N2            | cauciuc cloroprenic pt.cablurile de             | (CR) Chloroprene rubber for welding cables         |
| S             | cauciuc siliconic(SIR)                          | (SiR) Silicone rubber                              |
| V             | Policlorura de vinil(PVC)                       | (PVC) Polyvinyl chloride                           |
| V2            | Policlorura de vinil rezistenta la              | (PVC) Polyvinyl chloride heat-resistant            |
| V3            | Policlorura de vinil pt. temperaturi            | (PVC) Polyvinyl chloride low-temperature           |
| V4            | Policlorura de vinil reticulabila(PVC)          | (PVC) Polyvinyl chloride cross-linked              |
| C             | ecran                                           | Screen                                             |
|               | <u>Material manta</u>                           | <u>Sheath material</u>                             |
| B             | cauic etilen-propilenic(EPR)                    | (EPR) Ethylene-propylene rubber                    |
| J             | tresa din fibre de sticla                       | Glass fibre braid                                  |
| N             | cauciuc cloroprenic(CR)                         | (CR) Chloroprene rubber                            |
| N2            | cauciuc cloroprenic pt.cablurile de             | (CR) Chloroprene rubber for welding cables         |
| V             | Policlorura de vinil(PVC)                       | (PVC) Polyvinyl chloride                           |
| V2            | Policlorura de vinil rezistenta la              | (PVC) Polyvinyl chloride heat-resistant            |
| V3            | Policlorura de vinil pt. temperaturi            | (PVC) Polyvinyl chloride low-temperature           |
| V4            | Policlorura de vinil reticulabila(PVC)          | (PVC) Polyvinyl chloride cross-linked              |
| V5            | Policlorura de vinil rezistenta la uleiuri(PVC) | (PVC) Polyvinyl chloride oil resistant             |
|               | <u>Caracteristici constructive</u>              | <u>Special structural features</u>                 |
| H             | cablu plat numai cu izolatie                    | flat, separable cable (twin cable)                 |
| H2            | cablu plat cu izolatie si manta                 | flat, non-separable cable (two-core sheathed       |
| H6            | cablu plat cu izolatie si manta multiple        | flat, non-separable cable (multi- and multiple     |
|               | <u>Tip conductor</u>                            | <u>Conductor type</u>                              |
| F             | conductor cablat pt. instalatii fixe            | finely stranded, for cables for fixed installation |
| H             | conductor cablat flexibil pt. cabluri flexibile | (Very) finely stranded, for flexible cables        |
| K             | conductor cablat mediu flexibil pt. instalatii  | finely stranded, for cables for fixed installation |
| R             | conductor multifilar, rotund clasa 2            | Multiple-wire, round, class 2                      |
| U             | conductor unifilar, rotund clasa 1              | Single-Wire, round, class 1                        |

| <u>Simbol</u> | <u>Semnificatie</u>         | <u>Identifications of designation</u> |
|---------------|-----------------------------|---------------------------------------|
|               | <u>Conductor pamantare</u>  | <u>Earth core</u>                     |
| G             | cu conductor de pamantare   | With earth core                       |
| X             | fara conductor de pamantare | Without earth core                    |

**Exemplu:**

H05V-K 1,5 mm<sup>2</sup> (according to DIN VDE 0281)  
Conductor armonizat izolat cu PVC, conductor multifilar, sectiune nominala, 1,5 mm<sup>2</sup>, tensiune nominala 500 V.

**Examples:**

H05V-K 1,5 mm<sup>2</sup> (according to DIN VDE 0281)  
Harmonized PVC-insulated single core finely stranded cable, 1,5 mm<sup>2</sup>, nominal voltage 500 V.



## Identificare conductori pentru cabluri de semnalizare conform STAS 8779-86| Cores identification for signalling cables acc. to STAS 8779-86

| <b>CSYY, CSY EY, CSY EcY, CSY AbY, CSY EAbY, CSY EcAbY, CSY EAIAbY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>CSYY, CSY EY, CSY EcY, CSY AbY, CSY EAbY, CSY EcAbY, CSY EAIAbY</b>                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Izolația conductoarelor trebuie să fie colorată după unul din următoarele coduri :</p> <p>1.În fiecare strat două conductoare alaturate trebuie să aibă culori diferite, unul de culoare închisă, indicând conductorul de la care se începe numărătoarea, celalalt de culoare deschisă, indicând sensul în care se face numaratoarea.</p> <p>Toate celelalte conductoare trebuie sa aibă aceeași culoare, însă diferită de celelalte două.</p> <p>2.Culoare neagră cu imprimare numerică, începând cu cifra 1 din interior spre exteriorul cablului</p> | <p>Conductors insulation should be acc. with one of following codes:</p> <p>-in every layer one conductor should have a dark colour(the conductor which starts the numbering) and the following conductor should have a light colour(indicating direction of numbering).</p> <p>All others conductors should have same colour, but different of first two conductors.</p> <p>2.All conductors should have black colour with number printing, starting with inner layer.</p> |

## Identificare conductori conform HD 308 | Cores identification acc. to HD 308

| Nr. conductori<br>Nr. of cores | Cabluri rigide si flexibile              | Rigid and flexible cables              |
|--------------------------------|------------------------------------------|----------------------------------------|
| 1                              | negru - conductor faza L                 | black - pol conductor L                |
| 3                              | maro, negru, gri - conductori faza L     | brown, black, grey - pol conductors L  |
| 1                              | albastru - conductor de nul N            | blue - neutral conductor N             |
| 1                              | galben-verde - conductor pamantare PE    | yellow-green - earth conductor PE      |
|                                | <u>Cu conductor galben-verde</u>         | <u>With yellow-green conductor</u>     |
| 3                              | galben-verde, albastru, maro             | yellow-green, blue, brown              |
| 4                              | galben-verde, albastru, maro, negru      | yellow-green, blue, brown, black       |
| 4                              | galben-verde, maro, negru, gri           | yellow-green, brown, black, grey       |
| 5                              | galben-verde, albastru, maro, negru, gri | yellow-green, blue, brown, black, grey |
|                                | <u>Fara conductor galben-verde</u>       | <u>Without yellow-green conductor</u>  |
| 2                              | albastru, maro                           | blue, brown                            |
| 3                              | maro, negru, gri                         | brown, black, grey                     |
| 4                              | albastru, maro, negru, gri               | blue, brown, black, grey               |
| 5                              | albastru, maro, negru, gri, negru        | blue, brown, black, grey, black        |

## Identificare conductori conform VDE 0815 I

### Cores identification acc. to VDE 0815

| J-Y(St)Y                                                                                                                                                                                                                                                            | J-Y(St)Y                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |
| Pentru cablurile cu doua perechi:<br>Perechea 1: conductorul a – rosu,<br>conductorul b – negru<br>Perechea 2: conductorul a – alb,<br>conductorul b – galben                                                                                                       | For 2-paired installation cables :<br>pair 1: a-core red, b-core black<br>pair 2 :a-core white, b-core yellow                                                                                                            |
| Pentru cablurile cu 4 si mai multe perechi:<br>Conductorul a: in fiecare strat, rosu la perechea<br>1, alb pentru toate celelalte perechi<br>Conductorul b: albastru, galben, verde, maro,<br>negru, cu repetitie.<br>Numararea se face din exterior spre interior. | For 4- and multi-paired installation cables:<br>a-core of 1. pair in each layer is red<br>other pairs are white<br>b-core blue, yellow, green, brown, black in<br>continuous repeat<br>Counting: from outside to inside. |

## Identificare conductori conform DIN 47100 | Cores identification acc. to DIN 47100

| Nr. conductor<br>Core no.       | Culoare conductor | Core colour  | Nr. conductor<br>Core no.        | Culoare conductor | Core colour  |
|---------------------------------|-------------------|--------------|----------------------------------|-------------------|--------------|
| <b>cu repetitie de culori</b>   |                   |              | <b>with colour repetition</b>    |                   |              |
| 1                               | alb               | White        | 32                               | galben-albastru   | yellow-blue  |
| 2                               | maro              | Brown        | 33                               | verde-roసు        | green-red    |
| 3                               | verde             | Green        | 34                               | galben-roసు       | yellow-red   |
| 4                               | galben            | Yellow       | 35                               | verde-negru       | green-black  |
| 5                               | gri               | Grey         | 36                               | galben-negru      | yellow-black |
| 6                               | roz               | Pink         | 37                               | gri-albastru      | grey-blue    |
| 7                               | albastru          | Blue         | 38                               | roz-albastru      | pink-blue    |
| 8                               | roసు              | Red          | 39                               | gri-roసు          | grey-red     |
| 9                               | negru             | Black        | 40                               | roz-roసు          | pink-red     |
| 10                              | violet            | Violet       | 41                               | gri-negru         | grey-black   |
| 11                              | gri-roz           | grey-pink    | 42                               | roz-negru         | pink-black   |
| 12                              | roసు-albastru     | red-blue     | 43                               | albastru-negru    | blue-black   |
| 13                              | alb-verde         | white-green  | 44                               | roసు-negru        | red-black    |
| 14                              | maro-verde        | Brown-green  | 45                               | alb               | white        |
| 15                              | alb-galben        | white-yellow | 46                               | maro              | brown        |
| 16                              | galben-maro       | Yellow-brown | 47                               | verde             | green        |
| 17                              | alb-gri           | white-grey   | 48                               | galben            | yellow       |
| 18                              | gri-maro          | grey-brown   | 49                               | gri               | grey         |
| 19                              | alb-roz           | white-pink   | 50                               | roz               | pink         |
| 20                              | roz-maro          | pink-brown   | 51                               | albastru          | blue         |
| 21                              | alb-albastru      | white-blue   | 52                               | roసు              | red          |
| 22                              | maro-albastru     | Brown-blue   | 53                               | negru             | black        |
| 23                              | alb-roసు          | white-red    | 54                               | violet            | violet       |
| 24                              | maro-roసు         | Brown-red    | 55                               | gri-roz           | grey-pink    |
| 25                              | alb-negru         | white-black  | 56                               | roసు-albastru     | red-blue     |
| 26                              | maro-negru        | Brown-black  | 57                               | alb-verde         | white-green  |
| 27                              | gri-verde         | grey-green   | 58                               | maro-verde        | brown-green  |
| 28                              | galben-gri        | Yellow-grey  | 59                               | alb-galben        | white-yellow |
| 29                              | roz-verde         | pink-green   | 60                               | galben-maro       | yellow-brown |
| 30                              | galben-roz        | Yellow-pink  | 61                               | alb-gri           | white-grey   |
| 31                              | verde-albastru    | gree-blue    |                                  |                   |              |
| <b>fara repetitie de culori</b> |                   |              | <b>without colour repetition</b> |                   |              |
| 1                               | alb               | White        | 32                               | galben-albastru   | yellow-blue  |
| 2                               | maro              | Brown        | 33                               | verde-roసు        | green-red    |
| 3                               | verde             | Green        | 34                               | galben-roసు       | yellow-red   |
| 4                               | galben            | Yellow       | 35                               | verde-negru       | green-black  |
| 5                               | gri               | Grey         | 36                               | galben-negru      | yellow-black |
| 6                               | roz               | Pink         | 37                               | gri-albastru      | grey-blue    |
| 7                               | albastru          | Blue         | 38                               | roz-albastru      | pink-blue    |

| Nr. conductor<br>Core no. | Culoare conductor | Core colour  | Nr. conductor<br>Core no. | Culoare conductor   | Core colour        |
|---------------------------|-------------------|--------------|---------------------------|---------------------|--------------------|
| 8                         | rosu              | Red          | 39                        | gri-rosu            | grey-red           |
| 9                         | negru             | Black        | 40                        | roz-rosu            | pink-red           |
| 10                        | violet            | Violet       | 41                        | gri-negru           | grey-black         |
| 11                        | gri-roz           | grey-pink    | 42                        | roz-negru           | pink-black         |
| 12                        | rosu-albastru     | red-blue     | 43                        | albastru-negru      | blue-black         |
| 13                        | alb-verde         | white-green  | 44                        | rosu-negru          | red-black          |
| 14                        | maro-verde        | Brown-green  | 45                        | alb-maro-negru      | white-brown-black  |
| 15                        | alb-galben        | white-yellow | 46                        | galben-verde-negru  | yellow-green-black |
| 16                        | galben-maro       | Yellow-brown | 47                        | gri-roz-negru       | grey-pink-black    |
| 17                        | alb-gri           | white-grey   | 48                        | albastru-rosu-negru | blue-red-black     |
| 18                        | gri-maro          | grey-brown   | 49                        | alb-verde-negru     | white-green-black  |
| 19                        | alb-roz           | white-pink   | 50                        | verde-maro-negru    | green-brown-black  |
| 20                        | roz-maro          | pink-brown   | 51                        | alb-galben-negru    | white-yellow-black |
| 21                        | alb-albastru      | white-blue   | 52                        | galben-maro-negru   | yellow-brown-black |
| 22                        | maro-albastru     | Brown-blue   | 53                        | alb-gri-negru       | white-grey-black   |
| 23                        | alb-rosu          | white-red    | 54                        | gri-maro-negru      | grey-brown-black   |
| 24                        | maro-rosu         | Brown-red    | 55                        | alb-roz-nagru       | white-pink-black   |
| 25                        | alb-negru         | white-black  | 56                        | roz-maro-negru      | pink-brown-black   |
| 26                        | maro-negru        | Brown-black  | 57                        | alb-albastru-negru  | white-blue-black   |
| 27                        | gri-verde         | grey-green   | 58                        | maro-albastru-negru | brown-blue-black   |
| 28                        | galben-gri        | Yellow-grey  | 59                        | alb-red-nagru       | white-red-black    |
| 29                        | roz-verde         | pink-green   | 60                        | maro-rosu-negru     | brown-red-black    |
| 30                        | galben-roz        | Yellow-pink  | 61                        | negru-alb           | black-white        |
| 31                        | verde-albastru    | gree-blue    |                           |                     |                    |

# Identificare conductori conform VDE 0293|

## Cores identification acc. to VDE 0293

### Up to 5 Cores:

|         |       |      |              |              |              |
|---------|-------|------|--------------|--------------|--------------|
| 2 Cores | Brown | Blue |              |              |              |
| 3 Cores | Brown | Blue | Green/Yellow |              |              |
| 4 Cores | Black | Grey | Brown        | Green/Yellow |              |
| 5 Cores | Black | Grey | Brown        | Blue         | Green/Yellow |

### Above 5 Cores:

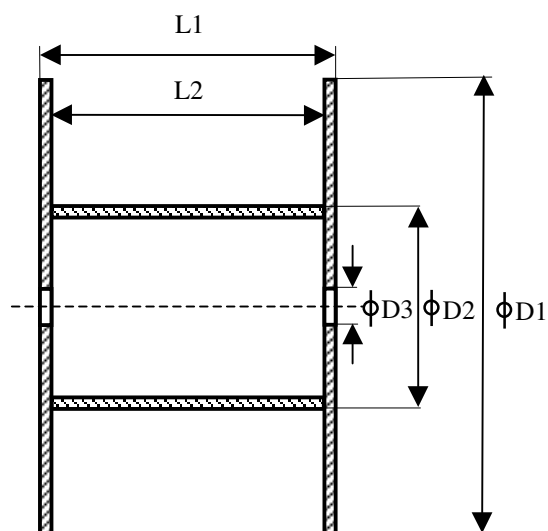
| Core | Colours      |       |
|------|--------------|-------|
| 1    | Green/Yellow |       |
| 2    | White        |       |
| 3    | Black        |       |
| 4    | Blue         |       |
| 5    | Brown        |       |
| 6    | Grey         |       |
| 7    | Red          |       |
| 8    | Violet       |       |
| 9    | Pink         |       |
| 10   | Orange       |       |
| 11   | Clear        |       |
| 12   | Beige        |       |
| 13   | Black        | White |
| 14   | Blue         | White |
| 15   | Brown        | White |
| 16   | Grey         | White |
| 17   | Red          | White |
| 18   | Violet       | White |
| 19   | Pink         | White |
| 20   | Orange       | White |
| 21   | Clear        | White |
| 22   | Beige        | White |
| 23   | Blue         | Black |
| 24   | Brown        | Black |
| 25   | Grey         | Black |
| 26   | Red          | Black |
| 27   | Violet       | Black |
| 28   | Pink         | Black |
| 29   | Orange       | Black |
| 30   | Clear        | Black |
| 31   | Beige        | Black |
| 32   | Brown        | Blue  |
| 33   | Grey         | Blue  |

| Core | Colours |        |
|------|---------|--------|
| 34   | Red     | Blue   |
| 35   | Pink    | Blue   |
| 36   | Orange  | Blue   |
| 37   | Clear   | Blue   |
| 38   | Beige   | Blue   |
| 39   | Grey    | Brown  |
| 40   | Red     | Brown  |
| 41   | Violet  | Brown  |
| 42   | Pink    | Brown  |
| 43   | Orange  | Brown  |
| 44   | Clear   | Brown  |
| 45   | Beige   | Brown  |
| 46   | Red     | Grey   |
| 47   | Violet  | Grey   |
| 48   | Pink    | Grey   |
| 49   | Orange  | Grey   |
| 50   | Clear   | Grey   |
| 51   | Beige   | Grey   |
| 52   | Orange  | Red    |
| 53   | Clear   | Red    |
| 54   | Beige   | Red    |
| 55   | Pink    | Violet |
| 56   | Orange  | Violet |
| 57   | Clear   | Violet |
| 58   | Beige   | Violet |
| 59   | Clear   | Pink   |
| 60   | Beige   | Pink   |
| 61   | Clear   | Orange |
| 62   | Beige   | Orange |
| 63   | Blue    | White  |
| 64   | Brown   | White  |
| 65   | Grey    | White  |
| 66   | Red     | White  |

| Core | Colours |       |        |
|------|---------|-------|--------|
| 67   | Violet  | White | Black  |
| 68   | Pink    | White | Black  |
| 69   | Orange  | White | Black  |
| 70   | Clear   | White | Black  |
| 71   | Beige   | White | Black  |
| 72   | Brown   | White | Blue   |
| 73   | Grey    | White | Blue   |
| 74   | Red     | White | Blue   |
| 75   | Violet  | White | Blue   |
| 76   | Pink    | White | Blue   |
| 77   | Orange  | White | Blue   |
| 78   | Clear   | White | Blue   |
| 79   | Beige   | White | Blue   |
| 80   | Grey    | White | Blue   |
| 81   | Red     | White | Brown  |
| 82   | Violet  | White | Brown  |
| 83   | Pink    | White | Brown  |
| 84   | Orange  | White | Brown  |
| 85   | Clear   | White | Brown  |
| 86   | Beige   | White | Brown  |
| 87   | Red     | White | Grey   |
| 88   | Violet  | White | Grey   |
| 89   | Pink    | White | Grey   |
| 90   | Orange  | White | Grey   |
| 91   | Clear   | White | Grey   |
| 92   | Beige   | White | Grey   |
| 93   | Blue    | White | Red    |
| 94   | Brown   | White | Red    |
| 95   | Violet  | White | Red    |
| 96   | Pink    | White | Red    |
| 97   | Orange  | White | Red    |
| 98   | Brown   | White | Violet |
| 99   | Orange  | White | Violet |

First colour listed is primary shade striped/dotted with secondary colours

## Tamburi din lemn | Wooden drums



### Caracteristici tamburi din lemn | Size of wooden drums

| Caracteristici<br>Size  |    | Tip tambur – Drum type |      |      |      |      |      |      |      |
|-------------------------|----|------------------------|------|------|------|------|------|------|------|
|                         |    | E8                     | E10  | E12  | E14  | E16  | E18  | E20  | E22  |
| D1                      | mm | 800                    | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 |
| D2                      | mm | 400                    | 500  | 600  | 700  | 800  | 1000 | 1200 | 1400 |
| D3                      | mm | 80                     | 80   | 80   | 80   | 102  | 102  | 101  | 101  |
| L1                      | mm | 510                    | 660  | 770  | 870  | 1020 | 1110 | 1260 | 1360 |
| L2                      | mm | 400                    | 500  | 600  | 700  | 800  | 900  | 1000 | 1100 |
| Sarcina – Load          | Kg | 450                    | 850  | 1500 | 2300 | 3500 | 4600 | 5800 | 7300 |
| Greutate – Weight       | Kg | 35                     | 75   | 100  | 175  | 220  | 320  | 400  | 530  |
| Greutate_ep – Weight_pe | Kg | 55                     | 105  | 140  | 230  | 315  | 460  | 540  | 700  |

Note. Greutate\_ep(inclusiv elemete de protectie) – Weight\_pe(including protective cover)



## Lungime pe tambur functie de diametrul cablului | Cable length (m) on wooden drums depending on cable diameter

| D<br>(mm) | Tip tambur – Drum type |      |      |      |      |      |      |      |
|-----------|------------------------|------|------|------|------|------|------|------|
|           | E8                     | E10  | E12  | E14  | E16  | E18  | E20  | E22  |
| 6         | 2840                   | 6030 |      |      |      |      |      |      |
| 7         | 2090                   | 4430 |      |      |      |      |      |      |
| 8         | 1600                   | 3400 |      |      |      |      |      |      |
| 9         | 1260                   | 2680 |      |      |      |      |      |      |
| 10        | 1020                   | 2170 | 3950 |      |      |      |      |      |
| 11        | 840                    | 1790 | 3270 |      |      |      |      |      |
| 12        | 710                    | 1510 | 2750 |      |      |      |      |      |
| 13        | 605                    | 1280 | 2340 |      |      |      |      |      |
| 14        | 520                    | 1110 | 2020 | 3320 |      |      |      |      |
| 15        | 450                    | 960  | 1760 | 2890 |      |      |      |      |
| 16        | 400                    | 850  | 1540 | 2540 |      |      |      |      |
| 17        | 350                    | 750  | 1370 | 2250 |      |      |      |      |
| 18        | 320                    | 670  | 1220 | 2010 | 3080 |      |      |      |
| 19        | 280                    | 600  | 1100 | 1800 | 2760 |      |      |      |
| 20        | 260                    | 540  | 990  | 1630 | 2500 | 3300 |      |      |
| 21        | 230                    | 490  | 900  | 1480 | 2260 | 2990 |      |      |
| 22        | 210                    | 450  | 820  | 1340 | 2060 | 2720 |      |      |
| 23        | 190                    | 410  | 750  | 1230 | 1880 | 2490 | 3100 |      |
| 24        | 180                    | 380  | 690  | 1130 | 1730 | 2290 | 2920 |      |
| 25        | 160                    | 350  | 630  | 1040 | 1600 | 2110 | 2690 |      |
| 26        | 150                    | 320  | 580  | 960  | 1480 | 1950 | 2490 |      |
| 27        |                        | 300  | 540  | 890  | 1370 | 1810 | 2300 |      |
| 28        |                        | 280  | 500  | 830  | 1270 | 1680 | 2140 |      |
| 29        |                        | 260  | 470  | 770  | 1190 | 1570 | 2000 |      |
| 30        |                        | 240  | 440  | 720  | 1110 | 1460 | 1870 |      |
| 31        |                        |      | 310  | 680  | 1040 | 1370 | 1750 |      |
| 32        |                        |      | 390  | 640  | 980  | 1290 | 1640 |      |
| 33        |                        |      |      | 600  | 920  | 1210 | 1540 |      |
| 34        |                        |      |      | 560  | 860  | 1140 | 1450 |      |
| 35        |                        |      |      | 530  | 820  | 1080 | 1370 |      |
| 36        |                        |      |      | 500  | 770  | 1020 | 1300 |      |
| 37        |                        |      |      | 470  | 730  | 960  | 1230 |      |
| 38        |                        |      |      | 460  | 690  | 910  | 1160 |      |
| 39        |                        |      |      | 400  | 650  | 870  | 1100 |      |
| 40        |                        |      |      | 380  | 620  | 820  | 1050 | 1300 |
| 41        |                        |      |      | 370  | 590  | 780  | 1000 | 1200 |
| 42        |                        |      |      | 350  | 560  | 750  | 950  | 1180 |
| 43        |                        |      |      | 330  | 540  | 710  | 910  | 1130 |
| 44        |                        |      |      | 320  | 520  | 680  | 870  | 1080 |
| 45        |                        |      |      | 300  | 490  | 650  | 830  | 1030 |

| D<br>(mm) | Tip tambur – Drum type |     |     |     |     |     |     |     |
|-----------|------------------------|-----|-----|-----|-----|-----|-----|-----|
|           | E8                     | E10 | E12 | E14 | E16 | E18 | E20 | E22 |
| 47        |                        |     |     |     | 450 | 600 | 760 | 940 |
| 48        |                        |     |     |     | 430 | 570 | 730 | 900 |
| 49        |                        |     |     |     | 410 | 550 | 700 | 870 |
| 50        |                        |     |     |     | 400 | 520 | 670 | 830 |
| 51        |                        |     |     |     | 380 | 500 | 640 | 800 |
| 52        |                        |     |     |     | 370 | 480 | 620 | 770 |
| 53        |                        |     |     |     |     | 470 | 600 | 740 |
| 54        |                        |     |     |     |     | 430 | 570 | 720 |
| 55        |                        |     |     |     |     | 420 | 560 | 690 |
| 56        |                        |     |     |     |     | 400 | 530 | 660 |
| 57        |                        |     |     |     |     | 380 | 520 | 640 |
| 58        |                        |     |     |     |     | 370 | 500 | 620 |
| 59        |                        |     |     |     |     | 360 | 480 | 600 |
| 60        |                        |     |     |     |     | 350 | 460 | 580 |
| 61        |                        |     |     |     |     | 330 | 450 | 560 |
| 62        |                        |     |     |     |     | 320 | 440 | 540 |
| 63        |                        |     |     |     |     | 310 | 420 | 520 |
| 64        |                        |     |     |     |     | 300 | 410 | 510 |
| 65        |                        |     |     |     |     | 290 | 400 | 490 |
| 66        |                        |     |     |     |     | 280 | 380 | 480 |
| 67        |                        |     |     |     |     |     | 370 | 460 |
| 68        |                        |     |     |     |     |     | 360 | 450 |
| 69        |                        |     |     |     |     |     | 350 | 440 |
| 70        |                        |     |     |     |     |     | 340 | 420 |

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