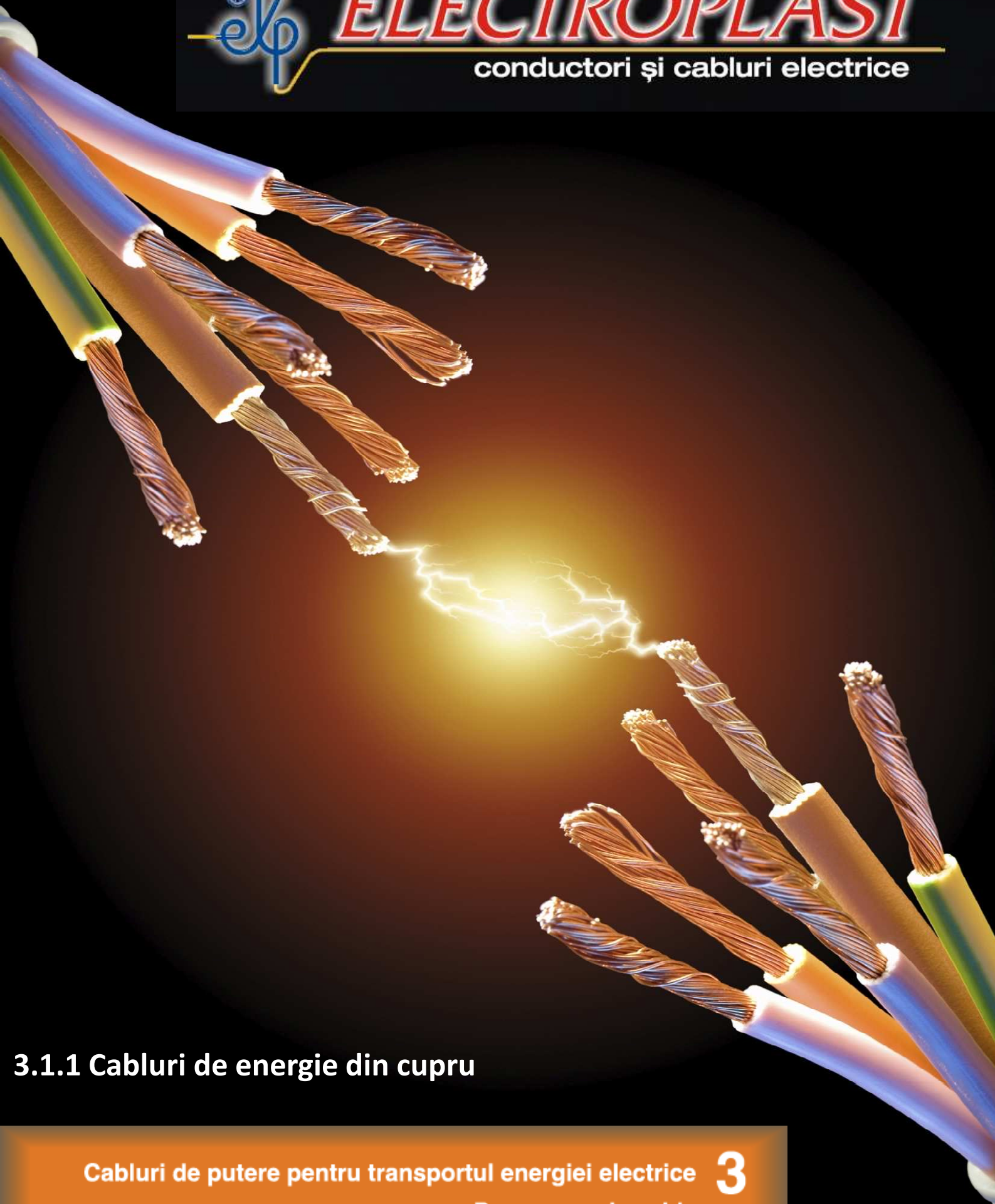




ELECTROPLAST

conductori și cabluri electrice



3.1.1 Cabluri de energie din cupru

Cabluri de putere pentru transportul energiei electrice
Power supply cable

3



Cablu de energie din cupru cu izolatie si manta de PVC

PVC – insulated and sheathed power cable

Standard de fabricatie: SR HD 603 S1/3G-2; IEC 502
Tensiune nominala U_o/U : 0.6/1 kV
Tensiune de incercare : 4 kV ca sau 12 kV cc, 5 min
Temperatura minima de instalare pe cablu: -5°C
Temperatura maxima de lucru : 70°C
Temperatura maxima de scurt-circuit : 160°C

Standard: SR HD 603 S1/3G-2; IEC 502
Rated voltage U_o/U : 0.6/1 kV
Test voltage : 4 kV ac or 12 kV dc , 5 min
The minim temperature of de cable during installation : -5°C
Max. permissible operating temperature : 70°C
Max. short-circuit temperature : 160°C

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere.
 Cablurile pot fi pozate in spatii inchise si deschise, in pamant ,in canale ,in beton ,in apa

Applicability :

Power supply to power stations.
 The cables can be installed in open or confined areas, underground, in sewers, in concrete, under water

Conductor de cupru

Conductor unifilar (re)cl 1, conductor multifilar (rm), cl 2

Copper conductor

Monowire (ru), multiwire (rm)

Izolatie

PVC tip DIV 4

Insulation

PVC type DIV 4

Manta

PVC tip DMV5 negru sau gri

Aceste cabluri sunt cu intarziere sau intarziere marita la propagarea flacarii ;incercare conf SR EN 332-1-2 sau SR EN 50266-2-4/cat 3

Sheath

PVC type DMV5 black or gray

The cables are flame retardant or extra flame retardant ; test according to SR EN 332-1-2 or SR EN 50266-2-4/ Category C

Marcaj pe manta

SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie.

Sheath marking

SC ELECTROPLAST SA , cable symbol , operational voltage, year of manufacture.

Raza minima de curbura la instalare

15xdiametrul cablului-cablu monofilar

12xdiametrul cablului-cablu multifilar

Forta maxima de tractiune la pozare: 50 N/mm²

Min. bending radius at installation :

15 x cable diameter – single-core cable

12 x cable diameter – multicore cable

Max. tensile strain during installation :

Max 50 N/mm²

Cod de culori

1 conductor - albastru, sau galben-verde

2 conductoare-albastru,maro

- galben-verde ,negru, pt sect >10mm²

3 conductoare-maro,negru,gri

- galben-verde,albastru,maro

4 conductoare-albastru,maro,negru,gri

- galben-verde,maro,negru,gri

5 conductoare-albastru,maro,negru,,gri,negru

- galben-verde,albastru,maro,negru,gri

Mai mult de 5 conductoare

- conductoare negre numerotate

-v/g,conductoare numerotate

Color coding :

1 conductor-blue or yellow-green

2 conductors- blue,brown

- yellow-green,black for sect>10 mm²

3 conductors- brown,black,gray

-yellow-green, blue,brown

4 conductors-blue, brown, black,gray

-yellow-green, brown,black,gray

5 conductors- blue, brown, black, gray, black

-yellow-green, blue, brown, black,gray

More than 5 conductors-

-numbered black conductors

-yellow-green and numbered conductors



Cablu de energie din cupru cu izolatie si manta de PVC

PVC – insulated and sheathed power cable

| Tipo dimensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatie <i>Radial thickness of insulation</i> mm | Grosime radiala manta <i>Radial thickness of sheath</i> mm | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km | Diametru exterior inf <i>Auter diameter inf</i> mm | Masa inf <i>Mass inf</i> kg/km |
|--|---|---|--|---|--|--------------------------------------|
| 1x1.5 | re | 0.8 | 1.8 | 12.1 | 6.6 | 60 |
| 1x2.5 | re | 0.8 | 1.8 | 7.41 | 7.0 | 74 |
| 1x4 | re | 1.0 | 1.8 | 4.61 | 7.9 | 99 |
| 1x6 | re | 1.0 | 1.8 | 3.08 | 8.4 | 124 |
| 1x10 | re | 1.0 | 1.8 | 1.83 | 9.2 | 170 |
| 1x16 | re | 1.0 | 1.8 | 1.15 | 10.9 | 247 |
| 1x25 | rm | 1.2 | 1.8 | 0.727 | 12.6 | 359 |
| 1x35 | rm | 1.2 | 1.8 | 0.524 | 13.8 | 464 |
| 1x50 | rm | 1.4 | 1.8 | 0.387 | 15.6 | 609 |
| 1x70 | rm | 1.4 | 1.8 | 0.268 | 17.3 | 825 |
| 1x95 | rm | 1.6 | 1.8 | 0.193 | 19.7 | 1112 |
| 1x120 | rm | 1.6 | 1.8 | 0.153 | 21.0 | 1338 |
| 1x150 | rm | 1.8 | 1.8 | 0.124 | 23.1 | 1643 |
| 1x185 | rm | 2.0 | 1.8 | 0.0991 | 25.5 | 2050 |
| 1x240 | rm | 2.2 | 1.9 | 0.0754 | 30.2 | 2708 |
| 1x300 | rm | 2.4 | 1.9 | 0.0601 | 31.3 | 3290 |
| 2x1.5 | re | 0.8 | 1.8 | 12.1 | 9.8 | 137 |
| 2x2.5 | re | 0.8 | 1.8 | 7.41 | 10.6 | 172 |
| 2x4 | re | 1.0 | 1.8 | 4.61 | 12.3 | 233 |
| 2x6 | re | 1.0 | 1.8 | 3.08 | 13.5 | 300 |
| 2x10 | re | 1.0 | 1.8 | 1.83 | 15.1 | 434 |
| 2x16 | re | 1.0 | 1.8 | 1.15 | 18.8 | 669 |
| 2x25 | rm | 1.2 | 1.8 | 0.727 | 22.2 | 938 |
| 2x35 | rm | 1.2 | 1.8 | 0.524 | 24.6 | 1265 |
| 3x1.5 | re | 0.8 | 1.8 | 12.1 | 10.2 | 158 |
| 3x2.5 | re | 0.8 | 1.8 | 7.41 | 11.1 | 203 |
| 3x4 | re | 1.0 | 1.8 | 4.61 | 13.0 | 283 |
| 3x6 | re | 1.0 | 1.8 | 3.08 | 14.3 | 369 |
| 3x10 | re | 1.0 | 1.8 | 1.83 | 16.0 | 538 |
| 3x16 | re | 1.0 | 1.8 | 1.15 | 20.0 | 830 |
| 3x25 | rm | 1.2 | 1.8 | 0.727 | 23.6 | 1231 |
| 3x25+16 | rm/re | 1.2;1.0 | 1.8 | 0.727;1.15 | 25.0 | 1418 |
| 3x35 | rm | 1.2 | 1.8 | 0.524 | 26.2 | 1600 |
| 3x35+16 | sm/re | 1.2;1.0 | 1.8 | 0.524;1.15 | 27.1 | 1765 |
| 3x35+25 | sm/rm | 1.2;1.2 | 1.9 | 0.524;0.727 | 27.1 | 1921 |
| 3x50 | sm | 1.4 | 1.8 | 0.387 | 25.0 | 1842 |
| 3x50+25 | sm/rm | 1.4/1.2 | 1.9 | 0.387;0.727 | 29.0 | 2200 |
| 3x50+35 | sm/rm | 1.4/1.2 | 1.9 | 0.387;0.524 | 29.0 | 2323 |
| 3x70 | sm | 1.4 | 1.9 | 0.268 | 28.0 | 2540 |





Cablu de energie din cupru cu izolatie si manta de PVC

PVC – insulated and sheathed power cable

| Tipo dimensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatie <i>Radial thickness of insulation</i> mm | Grosime radiala manta <i>Radial thickness of sheath</i> mm | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km | Diametru exterior inf <i>Auter diameter inf</i> mm | Masa inf <i>Mass inf</i> kg/km |
|--|---|---|--|---|--|--------------------------------------|
| 3x70+35 | sm/rm | 1.4/1.2 | 2.0 | 0.268;0.524 | 35.0 | 3008 |
| 3x70+50 | sm/sm | 1.4/1.4 | 2.0 | 0.268;0.387 | 35.0 | 3271 |
| 3x95 | sm | 1.6 | 2.1 | 0.193 | 30.0 | 3295 |
| 3x95+50 | sm/sm | 1.6/1.4 | 2.2 | 0.193;0.387 | 41.0 | 3850 |
| 3x95+70 | sm/sm | 1.6/1.4 | 2.2 | 0.193;0.268 | 41.0 | 4059 |
| 3x120 | sm | 1.6 | 2.0 | 0.153 | 33.0 | 4020 |
| 3x120+70 | sm/sm | 1.6/1.4 | 2.3 | 0.153;0.268 | 45.0 | 4881 |
| 3x120+95 | sm/sm | 1.6/1.6 | 2.3 | 0.153;0.193 | 45.0 | 5100 |
| 3x150 | sm | 1.8 | 2.2 | 0.124 | 36.9 | 5013 |
| 3x150+70 | sm/sm | 1.8/1.4 | 2.4 | 0.124;0.268 | 49.0 | 5732 |
| 3x185 | sm | 2.0 | 2.3 | 0.0991 | 40.9 | 6120 |
| 3x185+95 | sm/sm | 2.0/1.6 | 2.6 | 0.0991;0.193 | 53.0 | 7390 |
| 3x240 | sm | 2.2 | 2.5 | 0.0754 | 47.5 | 8113 |
| 3x240+120 | sm/sm | 2.2/1.6 | 2.8 | 0.0754;0.153 | 60.0 | 9420 |
| 4x1.5 | re | 0.8 | 1.8 | 12.1 | 11.0 | 188 |
| 4x2.5 | re | 0.8 | 1.8 | 7.41 | 12.0 | 245 |
| 4x4 | re | 1.0 | 1.8 | 4.61 | 14.1 | 347 |
| 4x6 | re | 1.0 | 1.8 | 3.08 | 15.5 | 456 |
| 4x10 | re | 1.0 | 1.8 | 1.83 | 17.5 | 671 |
| 4x16 | re | 1.0 | 1.8 | 1.15 | 21.9 | 1038 |
| 4x25 | rm | 1.2 | 1.8 | 0.727 | 26.0 | 1551 |
| 4x35 | rm | 1.2 | 1.8 | 0.524 | 29.3 | 2058 |
| 4x50 | sm | 1.4 | 1.9 | 0.387 | 29.0 | 2390 |
| 4x70 | sm | 1.4 | 2.0 | 0.268 | 33.2 | 3330 |
| 4x95 | sm | 1.6 | 2.1 | 0.193 | 36.0 | 4372 |
| 4x120 | sm | 1.6 | 2.3 | 0.153 | 40.0 | 5766 |
| 4x150 | sm | 1.8 | 2.4 | 0.124 | 43.0 | 6612 |
| 5x1.5 | re | 0.8 | 1.8 | 12.1 | 11.8 | 223 |
| 5x2.5 | re | 0.8 | 1.8 | 7.41 | 12.9 | 293 |
| 5x4 | re | 1.0 | 1.8 | 4.61 | 15.3 | 417 |
| 5x6 | re | 1.0 | 1.8 | 3.08 | 16.9 | 551 |
| 5x10 | re | 1.0 | 1.8 | 1.83 | 19.0 | 815 |



CYY (-F) NYY

**Cablu de energie din cupru cu
izolatie si manta de PVC**

**PVC – insulated and sheathed power
cable**

| Tipo di- mensiune cablu Cable size | Tip conductor Type of conductor | Grosime radiala izolatie Radial thickness of insulation mm | Grosime radiala manta Radial thickness of sheath mm | Rezistenta electrica max,la 20°C Max. resistance at 20°C Ω/km | Diametru exterior inf Auter diameter inf mm | Masa inf Mass inf kg/km |
|---|--|---|--|--|--|--|
| 5x16 | re | 1.0 | 1.8 | 1.15 | 23.9 | 1267 |
| 5x25 | rm | 1.2 | 1.9 | 0.727 | 28.7 | 1914 |
| 5x35 | rm | 1.2 | 2.0 | 0.524 | 32.5 | 2454 |
| 7x1.5 | re | 0.8 | 1.8 | 12.1 | 12.7 | 270 |
| 7x2.5 | re | 0.8 | 1.8 | 7.41 | 13.9 | 360 |
| 9x1.5 | re | 0.8 | 1.8 | 12.1 | 15.5 | 314 |
| 9x2.5 | re | 0.8 | 1.8 | 7.41 | 17.0 | 422 |
| 10x1.5 | re | 0.8 | 1.8 | 12.1 | 16.1 | 341 |
| 10x2.5 | re | 0.8 | 1.8 | 7.41 | 17.7 | 460 |
| 12x1.5 | re | 0.8 | 1.8 | 12.1 | 16.6 | 388 |
| 12x2.5 | re | 0.8 | 1.8 | 7.41 | 18.3 | 529 |
| 14x1.5 | re | 0.8 | 1.8 | 12.1 | 17.3 | 438 |
| 14x2.5 | re | 0.8 | 1.8 | 7.41 | 19.1 | 600 |
| 16x1.5 | re | 0.8 | 1.8 | 12.1 | 18.2 | 488 |
| 16x2.5 | re | 0.8 | 1.8 | 7.41 | 20.1 | 700 |
| 19x1.5 | re | 0.8 | 1.8 | 12.1 | 19.1 | 560 |
| 19x2.5 | re | 0.8 | 1.8 | 7.41 | 21.1 | 777 |



ELECTROPLAST

conductorii și cabluri electrice

**CYAbY(-F), CYAbzY(-F),
VAV**



Cablu de energie cu izolatie si manta de PVC,armat

Steel tape armoured power cable

Standard de fabricatie: SR HD 603 S1/4C; IEC 502
Tensiune nominala Uo/U : 0.6/1 kV
Tensiune de incercare : 3.5 kV ca sau 8.4 kV cc,5 min
Temperatura minima de instalare pe cablu:-5°C

Production Standard: SR HD 603 S1/4C; IEC 502
Rated voltage Uo/U : 0.6/1 kV
Test voltage : 3.5 kV ac or 8.4 kV dc,5 min

Temperatura maxima de lucru : 70°C
Temperatura maxima de scurt-circuit :160°C

The minim temperature of de cable during installation :-5°C
Max.permmissible operating temperature : 70°C
Max. short-circuit temperature : 160°C

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere.
Cablurile trebuie protejate impotriva agentilor corozivi , a solventilor chimici si a radiatiilor solare

Applicability :

Power supply to power stations.
The cables must be protected against :corozive chemicals,chemical solvents and solar radiation

Conductor de cupru: Conductor unifilar (re),conductor multifilar (rm) conf SR EN 60228
Izolatie:PVC tip DIV 10

Copper conductor: Monowire (re), multiwire (rm) according to SR EN 60228
Insulation: PVC type DIV 10

Manta interioara: PVC tip DMV 17 negru sau gri

Inner sheath: PVC type DMV 17 black or gray

Armatura: Banda laminata la rece nezincata sau zincata de grosime minima 0.2-0.5 mm.

Armor: Blank or zinc-plated cold-rolled tape, min. thickness 0.2-0.5 mm.

Manta exterioara: PVC tip DMV 17 negru sau gri
Cablurile sunt cu intarziere sau intarziere marita la propagarea flacarii ;incercare conf SR EN 332-1-2 sau SR EN 50266-4-2 /cat 3

Outer sheath: PVC type DMV 17 black or gray
The cables are flame retardant or extra flame retardant ; test according to SR EN 332-1-2 or SR EN 50266-4-2 / Category C.

Marcaj pe manta: SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie, marcaj de lungime

Sheath marking: SC ELECTROPLAST SA , cable symbol , operational voltage, year of manufacture.

Raza minima de curbura la instalare: Min. 12xdiametrul cablului

Min. bending radius at installation:

Min. 12 x cable diameter

Forta maxima de tractiune la pozare: Max 50 N/mm²

Max. tensile strain during installation: Max 50 N/mm²

Cod de culori

1 conductor - albastru, sau galben-verde
2 conductoare-albastru,maro; galben-verde,negru, pt sect >10mm²
3 conductoare-maro,negru,gri;galben,verde,albastru,maro
4 conductoare-albastru,maro,negru,gri
- galben-verde,maro,negru,gri
5 conductoare-albastru,maro,negru,,gri,negru
- galben-verde,albastru,maro,negru,gri
Mai mult de 5 conductoare-conductoare negre numerotate; galben-verde si conductoare numerotate

Color coding

1 conductor-blue or yellow-green
2 conductors- blue,brown; yellow-green,black for sect>10 mm²
3 conductors- brown,black,gray; yellow-green, blue,brown
4 conductors-blue, brown, black,gray
-yellow-green, brown,black,gray
5 conductors- blue, brown, black, gray, black
-yellow-green, blue, brown, black,gray
More than 5 conductors – numbered black conductors
- yellow-green and numbered conductors



ELECTROPLAST

conductorii și cabluri electrice

CYAbY(-F), CYAbzY(-F),
VAV



Cablu de energie cu izolatie si
manta de PVC,armat

Steel tape armoured power cable

| Tipodi- mensiune cablu Cable size | Tip conduc-tor Type of conduc-tor | Grosime radiala izolatie, Radial thickness of insula-tion mm | Grosime radiala manta interna minima Radial thickness of inner sheath min. mm | Grosime radiala nom/min manta exterioara Radial thickness nom/min of outer sheath mm | Rezistenta electrica max,la 20°C Max. resistanceat 20°C Ω/km | Diametru exterior inf Outer diameter Inf mm | Masa Inf Mass, inf kg/km |
|---|--|--|---|--|--|---|--------------------------------------|
| 1x16 | rm | 1.0 | 1.2 | 1.8/1.24 | 1.15 | 13.1 | 371 |
| 1x25 | rm | 1.2 | 1.2 | 1.8/1.24 | 0.727 | 14.8 | 505 |
| 1x35 | rm | 1.2 | 1.2 | 1.8/1.24 | 0.524 | 16.0 | 625 |
| 1x50 | rm | 1.4 | 1.2 | 1.8/1.24 | 0.387 | 17.7 | 791 |
| 1x70 | rm | 1.4 | 1.2 | 1.8/1.24 | 0.268 | 19.5 | 1031 |
| 1x95 | rm | 1.6 | 1.2 | 1.8/1.24 | 0.193 | 21.8 | 1346 |
| 1x120 | rm | 1.6 | 1.2 | 1.8/1.24 | 0.153 | 23.3 | 1592 |
| 1x150 | rm | 1.8 | 1.2 | 1.8/1.24 | 0.124 | 25.3 | 1920 |
| 1x185 | rm | 2.0 | 1.2 | 1.8/1.24 | 0.0991 | 27.6 | 2370 |
| 1x240 | rm | 2.2 | 1.2 | 1.8/1.24 | 0.0754 | 30.5 | 3018 |
| 1x300 | rm | 2.4 | 1.2 | 1.8/1.24 | 0.0601 | 33.5 | 3698 |
| 2x1.5 | re | 0.8 | 1.2 | 1.8/1.24 | 12.1 | 12.2 | 249 |
| 2x2.5 | re | 0.8 | 1.2 | 1.8/1.24 | 7.41 | 13.0 | 296 |
| 2x4 | re | 1.0 | 1.2 | 1.8/1.24 | 4.61 | 14.7 | 390 |
| 2x6 | re | 1.0 | 1.2 | 1.8/1.24 | 3.08 | 15.9 | 476 |
| 2x10 | re | 1.0 | 1.2 | 1.8/1.24 | 1.83 | 18.4 | 648 |
| 2x16 | rm | 1.0 | 1.2 | 1.8/1.24 | 1.15 | 21.2 | 902 |
| 2x25 | rm | 1.2 | 1.2 | 1.8/1.24 | 0.727 | 24.2 | 1232 |
| 2x35 | rm | 1.2 | 1.2 | 1.8/1.24 | 0.524 | 26.6 | 1544 |
| 3x1.5 | re | 0.8 | 1.2 | 1.8/1.24 | 12.1 | 12.6 | 278 |
| 3x2.5 | re | 0.8 | 1.2 | 1.8/1.24 | 7.41 | 13.5 | 334 |
| 3x4 | re | 1.0 | 1.2 | 1.8/1.24 | 4.61 | 15.4 | 447 |
| 3x6 | re | 1.0 | 1.2 | 1.8/1.24 | 3.08 | 16.7 | 542 |
| 3x10 | re | 1.0 | 1.2 | 1.8/1.24 | 1.83 | 19.4 | 744 |
| 3x16 | rm | 1.0 | 1.2 | 1.8/1.24 | 1.15 | 21.9 | 1054 |
| 3x25 | rm | 1.2 | 1.2 | 1.8/1.24 | 0.727 | 25.6 | 1502 |
| 3x25+16 | rm | 1.2;1.0 | 1.2 | 1.8/1.24 | 0.727;1.15 | 26.9 | 1689 |
| 3x35 | rm | 1.2 | 1.2 | 1.8/1.24 | 0.524 | 28.2 | 1917 |
| 3x35+16 | rm | 1.2;1.0 | 1.2 | 1.8/1.24 | 0.524;1.15 | 29.2 | 2076 |
| 3x50 | sm | 1.4 | 1.2 | 1.9/1.32 | 0.387 | 28.4 | 2130 |
| 3x50+25 | sm/rm | 1.4;1.2 | 1.2 | 2.0/1.4 | 0.387/0.727 | 31.8 | 2655 |
| 3x70 | sm | 1.4 | 1.2 | 2.0/1.4 | 0.268 | 31.8 | 2950 |
| 3x70+35 | sm/rm | 1.4;1.2 | 1.2 | 2.1/1.48 | 0.268/0.524 | 37.0 | 3766 |
| 3x95 | sm | 1.6 | 1.2 | 2.1/1.48 | 0.193 | 35.4 | 4055 |
| 3x95+50 | sm/sm | 1.6;1.4 | 1.3 | 2.4/1.72 | 0.193/0.387 | 40.2 | 4752 |



ELECTROPLAST

conductorii și cabluri electrice



**Cablu de energie cu izolatie si
manta de PVC,armat**

Steel tape armoured power cable

| Tipodimensiune cablu <i>Cable size</i> | Tip conduc- tor <i>Type of conduc- tor</i> | Grosime radiala izolatie, <i>Radial thickness of insulation</i> mm | Grosime radiala manta interna minima <i>Radial thickness of inner sheath min. mm</i> | Grosime radiala nom/min manta exterioara <i>Radial thickness nom/min of outer sheath mm</i> | Rezistenta electrica max,la 20°C <i>Max. resistanceat 20°C</i> Ω/km | Diametru exterior inf <i>Outer diameter</i> Inf mm | Masa Inf <i>Mass, inf</i> kg/km |
|--|---|--|---|--|--|---|--|
| 3x120 | sm | 1.6 | 1.3 | 2.2/1.56 | 0.153 | 38.0 | 4811 |
| 3x120+70 | sm/sm | 1.6;1.4 | 1.3 | 2.4/1.72 | 0.153/0.268 | 43.6 | 5800 |
| 3x150 | sm | 1.8 | 1.3 | 2.3/1.64 | 0.124 | 42.2 | 5822 |
| 3x150+70 | sm/sm | 1.8;1.4 | 1.4 | 2.5/1.8 | 0.124/0.268 | 48.0 | 6856 |
| 3x185 | sm | 2.0 | 1.4 | 2.4/1.72 | 0.0991 | 45.6 | 7185 |
| 3x185+95 | sm/ sm | 2.0;1.6 | 1.5 | 2.7/1.96 | 0.0991/0.193 | 53.2 | 5899 |
| 3x240 | sm | 2.2 | 1.5 | 2.6/1.88 | 0.0754 | 52.2 | 9330 |
| 3x240+120 | sm/sm | 2.2/1.6 | 1.6 | 2.9/2.12 | 0.0754/0.153 | 60.0 | 10885 |
| 4x1.5 | re | 0.8 | 1.2 | 1.8/1.24 | 12.1 | 13.4 | 13.4 |
| 4x2.5 | re | 0.8 | 1.2 | 1.8/1.24 | 7.41 | 14.4 | 388 |
| 4x4 | re | 1.0 | 1.2 | 1.8/1.24 | 4.61 | 16.5 | 527 |
| 4x6 | re | 1.0 | 1.2 | 1.8/1.24 | 3.08 | 17.9 | 658 |
| 4x10 | re | 1.0 | 1.2 | 1.8/1.24 | 1.83 | 20.9 | 916 |
| 4x16 | rm | 1.0 | 1.2 | 1.8/1.24 | 1.15 | 23.8 | 1277 |
| 4x25 | rm | 1.2 | 1.2 | 1.8/1.24 | 0.727 | 28.1 | 1864 |
| 4x35 | sm | 1.2 | 1.2 | 1.8/1.24 | 0.524 | 31.2 | 2391 |
| 4x50 | sm | 1.4 | 1.2 | 2.0/1.4 | 0.387 | 31.8 | 2833 |
| 4x70 | sm | 1.4 | 1.2 | 2.2/1.56 | 0.268 | 37.0 | 4150 |
| 4x95 | sm | 1.6 | 1.3 | 2.4/1.72 | 0.193 | 39.5 | 5150 |
| 4x120 | sm | 1.6 | 1.4 | 2.5/1.8 | 0.153 | 43.8 | 4478 |
| 4x150 | sm | 1.8 | 1.4 | 2.5/1.8 | 0.124 | 43.8 | 7611 |
| 4x185 | sm | 2.0 | 1.5 | 2.5/1.8 | 0.0991 | 53.6 | 9650 |
| 4x240 | sm | 2.2 | 1.6 | 2.7/1.96 | 0.0754 | 59.8 | 12111 |
| 5x1.5 | re | 0.8 | 1.2 | 1.8/1.24 | 12.1 | 14.2 | 364 |
| 5x2.5 | re | 0.8 | 1.2 | 1.8/1.24 | 7.41 | 15.3 | 448 |
| 5x4 | re | 1.0 | 1.2 | 1.8/1.24 | 4.61 | 17.7 | 615 |
| 5x6 | re | 1.0 | 1.2 | 1.8/1.24 | 3.08 | 19.3 | 773 |
| 5x10 | re | 1.0 | 1.2 | 1.8/1.24 | 1.83 | 22.6 | 1087 |
| 5x16 | rm | 1.0 | 1.2 | 1.8/1.24 | 1.15 | 25.8 | 1537 |
| 5x25 | rm | 1.2 | 1.2 | 1.8/1.24 | 0.727 | 31.3 | 2260 |
| 5x35 | rm | 1.2 | 1.2 | 1.8/1.24 | 0.524 | 34.2 | 2908 |
| 7x1.5 | re | 0.8 | 1.2 | 1.8/1.24 | 12.1 | 15.1 | 475 |
| 7x2.5 | re | 0.8 | 1.2 | 1.8/1.24 | 7.41 | 16.3 | 595 |



Cablu de energie cu izolatie si manta de PVC, cu ecran de cupru si armatura

PVC – insulated and sheathed signal cable with copper screen and armor

Standard de fabricatie: IEC 502

Tensiune nominala Uo/U : 0.6/1 kV

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere.

Cablurile pot fi pozate in spatii inchise si deschise, in pamant ,in canale ,in beton ,in apa

Temperatura max in functionarea de durata :70 °C

Temperatura de utilizare normala este de -30°C÷+60°C

Temperatura minima de montaj este de +5°C

Conductor de cupru

Conductor unifilar (re), SR HD 383

Izolatie

PVC tip IF

Ecran

Ecran din banda de cupru/PET de grosime 0.2/0.23 μ

Manta interioara

PVC tip MF

Armatura

Banda laminata la rece nezincata sau zincata de grosime minima 0.2 mm.

Manta exterioara

PVC tip MF

Cablurile sunt cu intarziere marita la propagarea flacarilor ,incercare conf SR EN 332-1-2 sau SR EN 50266-4-2

/categoria C

Marcaj pe manta

SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie.

Raza minima de curbura la instalare

10xdiametrul cablului

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

1 conductor - albastru, sau g/v

2 conductoare-albastru,maro
-g/v,negru, pt sect >10mm²

3 conductoare-marou,negru,gri
-g/v,albastru,maro

4 conductoare-albastru,maro,negru,gri
-g/v,maro,negru,gri

5 conductoare-albastru,maro,negru,,gri,negru
-g/v,albastru,maro,negru,gri

Mai mult de 5 conductoare-conductoare negre numerotate

- v/g si conductoare numerotate

Standard: IEC 502

Rated voltage Uo/U : 0.6/1 kV

Applicability :

Power supply to power stations.

The cables can be installed in open or confined areas, underground, in sewers, in concrete, under water

Max. temperature in long-run operation: 70 °C

Normal operational temperature range : -30°C÷+60°C

Minimum temperature during installation : +5°C

Copper conductor :

Monowire conductor (re), SR HD 383

Insulation :

PVC type IF

Screen

Copper/PET tape 0.2/0.23 μ thick

Inner sheath

PVC type MF

Armor

Blank or zinc-plated cold-rolled tape 0.2 mm thick.

Outer sheath

PVC type MF

The cables are flame retardant or extra flame retardant ; test according to SR EN 332-1-2 or SR EN 50266-4-2 / Category C.

Sheath marking

SC ELECTROPLAST SA , cable symbol , operational voltage, year of manufacture

Min. bending radius at installation :

10 x cable diameter

Max. tensile strain during installation :

50 N/mm²

Color coding :

1 conductor-blue or yellow-green

2 conductors- blue,brown
- yellow-green,black for sect>10 mm²

3 conductors- brown,black,grey
-yellow-green, blue,brown

4 conductors-blue, brown, black,grey
-yellow-green, brown,black,grey

5 conductors- blue, brown, black, grey, black
-yellow-green, blue, brown, black,grey

More than 5 conductors – numbered black conductors

- y/g and numbered conductors



ELECTROPLAST

conductori și cabluri electrice



Cablu de energie cu izolatie si manta de PVC, cu ecran de cupru si armatura

PVC – insulated and sheathed signal cable with copper screen and armor

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatie <i>Radial thickness of insulation, mm</i> | Grosime radiala manta <i>Radial thickness of sheath</i> | | Diametru exterior inf <i>Inf. outer diameter mm</i> | Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C Ω/km</i> | Masa Inf <i>Mass inf kg/km</i> |
|---|---|---|--|---------|--|--|-----------------------------------|
| | | | Int. mm | Ext. mm | | | |
| 2x1.5 | re | 0.8 | 1.2 | 1.8 | 15.0 | 12.1 | 360 |
| 2x2.5 | re | 0.8 | 1.2 | 1.8 | 15.8 | 7.41 | 412 |
| 2x4 | re | 1.0 | 1.2 | 1.8 | 17.7 | 4.61 | 529 |
| 2x6 | re | 1.0 | 1.2 | 1.8 | 18.7 | 3.08 | 614 |
| 2x10 | rm | 1.0 | 1.2 | 1.8 | 20.3 | 1.83 | 803 |
| 2x16 | rm | 1.0 | 1.2 | 1.8 | 22.5 | 1.15 | 1005 |
| 2x25 | rm | 1.2 | 1.2 | 1.8 | 26.6 | 0.727 | 1444 |
| 2x35 | rm | 1.2 | 1.2 | 1.8 | 27.2 | 0.524 | 1565 |
| 3x1.5 | re | 0.8 | 1.2 | 1.8 | 15.4 | 12.1 | 391 |
| 3x2.5 | re | 0.8 | 1.2 | 1.8 | 16.3 | 7.41 | 454 |
| 3x4 | re | 1.0 | 1.2 | 1.8 | 18.4 | 4.61 | 591 |
| 3x6 | re | 1.0 | 1.2 | 1.8 | 19.5 | 3.08 | 696 |
| 3x10 | rm | 1.0 | 1.2 | 1.8 | 21.3 | 1.83 | 924 |
| 3x16 | rm | 1.0 | 1.2 | 1.8 | 23.4 | 1.15 | 1162 |
| 3x25 | rm | 1.2 | 1.2 | 1.9 | 28.5 | 0.727 | 1740 |
| 3x25+16 | rm | 1.2;1.0 | 1.2 | 2.0 | 30.4 | 0.727;1.15 | 2015 |
| 3x35 | rm | 1.2 | 1.2 | 2.0 | 31.0 | 0.524 | 2080 |
| 3x35+16 | rm | 1.2;1.0 | 1.2 | 2.1 | 33.9 | 0.524;1.15 | 2535 |
| 4x1.5 | re | 0.8 | 1.2 | 1.8 | 16.2 | 12.1 | 443 |
| 4x2.5 | re | 0.8 | 1.2 | 1.8 | 17.2 | 7.41 | 520 |
| 4x4 | re | 1.0 | 1.2 | 1.8 | 19.5 | 4.61 | 687 |
| 4x6 | re | 1.0 | 1.2 | 1.8 | 20.7 | 3.08 | 810 |
| 4x10 | rm | 1.0 | 1.2 | 1.8 | 22.7 | 1.83 | 1090 |
| 4x16 | rm | 1.0 | 1.2 | 1.8 | 24.8 | 1.15 | 1450 |
| 4x25 | rm | 1.2 | 1.2 | 1.9 | 30.5 | 0.727 | 2147 |
| 4x35 | rm | 1.2 | 1.2 | 2.1 | 39.9 | 0.524 | 2685 |
| 5x1.5 | re | 0.8 | 1.2 | 1.8 | 17.0 | 12.1 | 484 |
| 5x2.5 | re | 0.8 | 1.2 | 1.8 | 18.1 | 7.41 | 580 |
| 5x4 | re | 1.0 | 1.2 | 1.8 | 20.7 | 4.61 | 777 |
| 5x6 | re | 1.0 | 1.2 | 1.8 | 22.1 | 3.08 | 935 |
| 5x10 | rm | 1.0 | 1.2 | 1.8 | 24.2 | 1.83 | 1273 |
| 5x16 | rm | 1.0 | 1.2 | 1.8 | 26.8 | 1.15 | 1697 |
| 5x25 | rm | 1.2 | 1.2 | 2.0 | 33.4 | 0.727 | 2587 |
| 5x35 | rm | 1.2 | 1.2 | 2.2 | 38.2 | 0.524 | 3603 |
| 7x1.5 | re | 0.8 | 1.2 | 1.8 | 17.9 | 12.1 | 579 |
| 7x2.5 | re | 0.8 | 1.2 | 1.8 | 19.1 | 7.41 | 701 |

CYEAbY(-F); CYEAbzY(-F) 3.6/6 kV

Cablu de energie din cupru cu izolatie si manta de PVC,armat

Standard de fabricatie: SR CEI 60502-2

Tensiune nominala U_o/U(U_m): 3.6/6(7.2) kV

Tensiune de incercare : 12.5 kV c.a ,5 min

Temperatura minima de instalare pe cablu:-5°C

Temperatura maxima de lucru : 70°C

Temperatura maxima de scurt-circuit :160°C

Rezistenta electrica a ecranului la 20°C : max 3.08 Ω/km

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere.

Cablurile trebuie protejate impotriva agentilor corozivi , a solventilor chimici si a radiatiilor solare

Conductor de Cupru

Conductor multifilar cl 2 ,rm , sector

Izolatie

PVC tip B

Invelis intern

Banda semiconductoare cu bariera la propagarea apei

Ecran de cupru

Banda de 0.1 mm

Rezistenta electrica max : 3.08 Ω/km

Manta interioara

PVC tip ST1 negru sau gri

Armatura

Banda laminata la rece nezincata sau zincata de grosime minima 0.5 mm.

Manta exterioara

PVC tip ST1 Negru sau gri

Cablurile sunt cu intarziere sau intarziere marita la propagarea flacarii ;incercare conf SR EN 332-1-2 sau SR EN 50266-2-4 categoria C

Marcaj pe manta

SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie, marcaj de lungime

Raza minima de curbura la instalare

Min. 12xdiametrul cablului

Forta maxima de tractiune la pozare

Max 50 N/mm²

Cod de culori

3 conductoare - albe

Armored PVC-insulated and sheathed power cable

Production Standard: SR CEI 60502-2

Rated voltage U_o/U (U_m): 3.6 / 6 (7.2) kV

Test voltage : 12.5 kV AC,5 min

Minimum temperature of the cable during laying :-5°C

Max. permissible operating temperature : 70°C

Max. short-circuit temperature : 160°C

Max. resistance at 20°C ,screen : 3.08 Ω/km

Applicability :

Power supply to power stations.

The cables must be protected against :corrosive chemicals, chemical solvents and solar radiation

Copper conductor

Class 2 multiwire conductor; rm , sector-shaped

Insulation

PVC type B

Inner protective layer

Watertight semi-conductive tape

Copper screen

Cu/PET tape 0.1 mm

Max. resistance at 20°C : 3.08 Ω/km

Inner sheath

PVC type ST1 black or gray

Armor

Blank or zinc-plated cold-rolled tape, min. thickness 0.5 mm.

Outer sheath

PVC type ST1 black or gray

The cable are flame retardant or extra flame retardant; test according to SR EN 332-1-2 or SR EN 50266-2-4, type C

Sheath marking

SC ELECTROPLAST SA , cable symbol , operational voltage, year of manufacture, length marking

Min. bending radius at installation :

Min. 12 x cable diameter

Max. tensile strain during installation :

Max 50 N/mm²

Color coding

3 conductors - White



ELECTROPLAST

conductori și cabluri electrice

ACYEAbY(-F); ACYEAbzY(-F) 3.6/6 kV

Cablu de energie din aluminiu cu izolatie si manta de PVC,armat

Armored PVC-insulated and sheathed power cable

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatie, nom/min <i>Radial thickness of insula-tion</i> mm | Grosime radiala manta interna <i>Radial thickness of inner sheath</i> mm | Grosime radiala nom/min manta exterioara <i>Radial thickness nom/min of outer sheath</i> mm | Rezistenta electrica max,la 20°C <i>Max. resistance at 20 °C</i> Ω/km | Diametru exterior inf <i>Outer diameter</i> Inf mm | Masa Inf <i>Mass, inf</i> kg/km |
|---|---|---|--|---|---|--|---------------------------------------|
| 3x25 | rm | 3.4/2.96 | 1.2/0.76 | 2.2/1.56 | 1.200 | 39.1 | 2043 |
| 3x35 | rm | 3.4/2.96 | 1.2/0.76 | 2.3/1.64 | 0.868 | 40.6 | 2226 |
| 3x35 | ru | 3.4/2.96 | 1.2/0.76 | 2.2/1.56 | 0.868 | 39.6 | 2145 |
| 3x50 | sm | 3.4/2.96 | 1.2/0.76 | 2.2/1.56 | 0.641 | 38.7 | 2375 |
| 3x70 | sm | 3.4/2.96 | 1.3/0.84 | 2.3/1.64 | 0.443 | 42.1 | 2818 |
| 3x95 | sm | 3.4/2.96 | 1.3/0.84 | 2.4/1.73 | 0.320 | 45.1 | 3297 |
| 3x120 | sm | 3.4/2.96 | 1.4/0.92 | 2.5/1.79 | 0.253 | 47.9 | 3752 |
| 3x150 | sm | 3.4/2.96 | 1.4/0.92 | 2.6/1.88 | 0.206 | 50.9 | 4287 |
| 3x185 | sm | 3.4/2.96 | 1.5/1.00 | 2.7/1.96 | 0.164 | 54.1 | 4898 |
| 3x240 | sm | 3.4/2.96 | 1.6/1.08 | 2.9/2.12 | 0.125 | 58.7 | 5803 |



ELECTROPLAST

conductorii și cabluri electrice

C2XY(-F) N2XY
U-1000 R12V ; U-1000 R02V



Cablu de energie cu izolatie de polietilena reticulata si manta de PVC

Power cable with XLPE insulation and PVC sheath

Standard de fabricatie: SR HD 603 S1 ; IEC 502 ; NF C 32-321

Tensiune nominala U₀/U(U_m) : 0.6/1(1.2) kV

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere.

Cablurile pot fi pozate in spatii inchise si deschise, in pamant ,in canale ,in beton ,in apa

Temperatura conductorului de cupru in functionarea de durata:90°C

Temperatura maxima a conductorului in scurt-circuit (max 5 s):250°C

Temperatura minima a cablului (masurata pe manta)

-la montaj -5°C

-in exploatare -40°C

Conductor de cupru

Conductor unifilar (re) sau multifilar (rm,,sm)

Izolatie

XLPE- polietilena reticulabila tip DIX 3

Manta de PVC ,neagra

PVC tip DMV6 negru sau gri

Cablurile sunt cu intarziere respectiv intarziere marita la propagarea flacarii ,incercare conf

SR EN 332-1-2 sau SR EN 50266-4-2 categoria C

Tensiunea de incercare

4 kV,50 Hz ,timp de 5 minute.

Marcaj pe manta

SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie.

Raza minima de curbura la instalare

15xdiametrul cablului-cablu monofilar

12xdiametrul cablului-cablu multifilar

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

1 conductor - albastru, sau galben-verde

2 conductoare-albastru,maro

- galben-verde,negru, pt sect >10mm²

3 conductoare-maro,negru,gri

- galben-verde,albastru,maro

4 conductoare-albastru,maro,negru,gri

- galben-verde,maro,negru,gri

5 conductoare-albastru,maro,negru,,gri,negru

- galben-verde,albastru,maro,negru,gri

Mai mult de 5 conductoare-

-conductoare negre numerotate

- galben-verde,conductoare numerotate

Standard: SR HD 603 S1; IEC 502; NF C 32-321

Rated voltage U₀/U(U_m) : 0.6/1(1.2) kV

Applications :

Power supply to power stations

The cables can be installed in open or confined areas, under ground, in sewers, in concrete , under water.

Conductor temperature in long-run operation: 90°C

Max. conductor temperature in short-circuit (max 5 s): 250°C

Minimum cable temperature (masured on the sheath surface)

-during installation -5°C

-in operation -40°C

Copper conductor

Monowire (re) or multiwire (rm,sm)

Insulation

XLPE- cross-linkable polyetilene ,DIX3

Sheath

PVC type DMV6 black or gray

The cables are flame retardant or extra flame retardant ; test

according to SR EN 332-1-2 or

SR EN 50266-4-2 / Category C.

Test voltage

4 kV, 50 Hz, for 5 minute.

Sheath marking

SC ELECTROPLAST SA, cable symbol , operational voltage, year of manufacture.

Min. bending radius at installation :

15 x cable diameter – single-core cable

12 x cable diameter – multi-core cable

Max. tensile strain at installation :

50 N/mm²

Color coding :

1 conductor-blue or yellow-green

2 conductors- blue,brown

- yellow-green,black for sect>10 mm²

3 conductors- brown,black,grey

-yellow-green, blue,brown

4 conductors-blue, brown, black,grey

-yellow-green, brown,black,grey

5 conductors- blue, brown, black, grey, black

-yellow-green, blue, brown, black,grey

More than 5 conductors-

-black numbered conductors

-yellow-green numbered conductors



ELECTROPLAST

conductori și cabluri electrice

C2XY(-F) N2XY
U-1000 R12V ; U-1000 R02V



Cablu de energie cu izolatie de polietilena reticulata si manta de PVC

Power cable with XLPE insulation and PVC sheath

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Cond. type</i> | Nr de fire din conductor <i>No. of wires / conductor</i> | Grosime radiala izolatie <i>Radial insulation thickness mm</i> | Grosime radiala Manta <i>Radial sheath thickness mm</i> | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C Ω/km</i> | Diametru Exterior <i>Outer diameter mm</i> | | Masa inf <i>Mass inf kg/km</i> |
|---|------------------------------------|---|---|--|--|---|------|-----------------------------------|
| | | | | | | min | max | |
| 1x1.5 | re | 1 | 0.7 | 1.4 | 12.1 | | 6.6 | 56 |
| 1x2.5 | re | 1 | 0.7 | 1.4 | 7.41 | | 7.0 | 59 |
| 1x4 | re | 1 | 0.7 | 1.4 | 4.61 | | 7.6 | 77 |
| 1x6 | re | 1 | 0.7 | 1.4 | 3.08 | | 8.2 | 99 |
| 1x10 | re | 1 | 0.7 | 1.4 | 1.83 | | 9.2 | 144 |
| 1x16 | re | 1 | 0.7 | 1.4 | 1.15 | | 10.5 | 230 |
| 1x25 | rm | 7 | 0.9 | 1.4 | 0.727 | | 12.5 | 314 |
| 1x35 | rm | 7 | 0.9 | 1.4 | 0.524 | | 13.5 | 414 |
| 1x50 | rm | 19 | 1.0 | 1.4 | 0.387 | | 15.0 | 543 |
| 1x70 | rm | 19 | 1.1 | 1.4 | 0.268 | | 17.0 | 756 |
| 1x95 | rm | 19 | 1.1 | 1.5 | 0.193 | | 19.0 | 1009 |
| 1x120 | rm | 37 | 1.2 | 1.5 | 0.153 | | 21.0 | 1250 |
| 1x150 | rm | 37 | 1.4 | 1.6 | 0.124 | | 23.0 | 1550 |
| 1x185 | rm | 37 | 1.6 | 1.6 | 0.0991 | | 25.5 | 1939 |
| 1x240 | rm | 61 | 1.7 | 1.7 | 0.0754 | | 28.5 | 2533 |
| 1x300 | rm | 61 | 1.8 | 1.8 | 0.0601 | | 31.0 | 3134 |
| 2x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 8.8 | 10.5 | 134 |
| 2x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 9.6 | 11.5 | 169 |
| 2x4 | re | 1 | 0.7 | 1.8 | 4.61 | 10.5 | 13.0 | 229 |
| 2x6 | re | 1 | 0.7 | 1.8 | 3.08 | 11.5 | 14.0 | 290 |
| 2x10 | re | 1 | 0.7 | 1.8 | 1.83 | 13.0 | 16.0 | 415 |
| 2x16 | re | 1 | 0.7 | 1.8 | 1.15 | 14.5 | 18.5 | 618 |
| 2x25 | rm | 7 | 0.9 | 1.8 | 0.727 | 17.5 | 22.0 | 916 |
| 2x35 | rm | 7 | 0.9 | 1.8 | 0.524 | 19.5 | 24.5 | 1190 |
| 3x1.5 | re | 1 | 0.7 | 1.8 | 0.387 | 9.2 | 11.0 | 154 |
| 3x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 10.0 | 12.5 | 197 |
| 3x4 | re | 1 | 0.7 | 1.8 | 4.61 | 11.0 | 13.5 | 271 |
| 3x6 | re | 1 | 0.7 | 1.8 | 3.08 | 12.0 | 15.0 | 351 |
| 3x10 | re | 1 | 0.7 | 1.8 | 1.83 | 13.5 | 17.0 | 512 |
| 3x16 | re | 1 | 0.7 | 1.8 | 1.15 | 15.5 | 19.5 | 767 |
| 3x16+10 | re | 1;1 | 0.7 | 1.8 | 1.15;1.83 | 18.4 | 21.7 | 879 |
| 3x25 | rm | 7 | 0.9 | 1.8 | 0.727 | 19.0 | 23.5 | 1149 |
| 3x25+16 | rm;re | 7;1 | 0.9;0.7 | 1.8 | 0.727;1.15 | 21.9 | 25.7 | 1324 |
| 3x35 | rm | 7 | 0.9 | 1.8 | 0.524 | 21.0 | 26.0 | 1507 |

C2XY(-F) N2XY
U-1000 R12V ; U-1000 R02V



Cablu de energie cu izolatie de polietilena reticulata si manta de PVC

Power cable with XLPE insulation and PVC sheath

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Cond. type</i> | Nr de fire din conductor <i>No. of wires / conductor</i> | Grosime radiala izolatie <i>Radial insulation thickness mm</i> | Grosime radiala Manta <i>Radial sheath thickness mm</i> | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C Ω/km</i> | Diametru Exterior <i>Outer diameter mm</i> | | Masa inf <i>Mass inf kg/km</i> |
|---|------------------------------------|---|---|--|--|---|------|-----------------------------------|
| | | | | | | min | max | |
| 3x35+16 | rm;re | 7;1 | 0.9;0.7 | 1.8 | 0.524;1.15 | 23.9 | 28.2 | 1661 |
| 3x50 | sm | 19 | 1.0 | 1.8 | 0.387 | 24.5 | 29.0 | 1801 |
| 3x50+25 | sm;rm | 19;7 | 1.0;0.9 | 1.9 | 0.387;0.727 | | 32 | 1932 |
| 3x70 | sm | 19 | 1.1 | 1.9 | 0.268 | 31.5 | 37.5 | 2482 |
| 3x70+35 | sm;rm | 19;7 | 1.1;0.9 | 2.0 | 0.268;0.524 | | 37.0 | 2678 |
| 3x95 | sm | 19 | 1.1 | 2.1 | 0.193 | 36.0 | 42.5 | 3395 |
| 3x95+50 | sm;sm | 19;19 | 1.1;1.0 | 2.2 | 0.193;0.387 | | 43.0 | 3636 |
| 3x120 | sm | 37 | 1.2 | 2.1 | 0.153 | 40.0 | 47.5 | 4167 |
| 3x120+70 | sm;sm | 37;19 | 1.2;1.1 | 2.3 | 0.153;0.268 | | 48.0 | 4596 |
| 3x150 | sm | 37 | 1.4 | 2.3 | 0.124 | 44.5 | 52.5 | 5115 |
| 3x150+70 | sm;sm | 37;19 | 1.4;1.1 | 2.4 | 0.124;0.268 | | 53.0 | 5485 |
| 3x185 | sm | 37 | 1.6 | 2.4 | 0.0991 | 50.0 | 59.0 | 6425 |
| 3x185+95 | sm;sm | 37;19 | 1.6;1.1 | 2.6 | 0.0991;0.193 | | 60.0 | 6936 |
| 4x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 9.8 | 12.0 | 180 |
| 4x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 10.5 | 13.0 | 236 |
| 4x4 | re | 1 | 0.7 | 1.8 | 4.61 | 12.0 | 14.5 | 328 |
| 4x6 | re | 1 | 0.7 | 1.8 | 3.08 | 13.0 | 16.0 | 430 |
| 4x10 | re | 1 | 0.7 | 1.8 | 1.83 | 15.0 | 18.5 | 634 |
| 4x16 | re | 1 | 0.7 | 1.8 | 1.15 | 17.0 | 21.0 | 957 |
| 4x25 | rm | 7 | 0.9 | 1.8 | 0.727 | 20.5 | 25.5 | 1444 |
| 4x35 | rm | 7 | 0.9 | 1.8 | 0.524 | 23.0 | 28.5 | 1906 |
| 4x50 | sm | 19 | 1.0 | 1.9 | 0.387 | 27.0 | 32.5 | 2336 |
| 4x70 | sm | 19 | 1.1 | 2.0 | 0.268 | 31.5 | 37.5 | 3220 |
| 4x95 | sm | 19 | 1.1 | 2.2 | 0.193 | 36.0 | 42.5 | 4447 |
| 4x120 | sm | 37 | 1.2 | 2.3 | 0.153 | 40.0 | 47.5 | 5475 |
| 4x150 | sm | 37 | 1.4 | 2.5 | 0.124 | 44.5 | 52.5 | 6700 |
| 4x185 | sm | 37 | 1.6 | 2.6 | 0.0991 | 50.0 | 59.0 | 8407 |
| 5x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 10.5 | 13.0 | 216 |
| 5x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 11.5 | 14.5 | 284 |
| 5x4 | re | 1 | 0.7 | 1.8 | 4.61 | 13.0 | 16.0 | 395 |
| 5x6 | re | 1 | 0.7 | 1.8 | 3.08 | 14.0 | 17.5 | 526 |
| 5x10 | re | 1 | 0.7 | 1.8 | 1.83 | 16.5 | 20.0 | 783 |
| 5x16 | re | 1 | 0.7 | 1.8 | 1.15 | 18.5 | 23.0 | 1167 |
| 5x25 | rm | 7 | 0.9 | 1.8 | 0.727 | 23.0 | 28.0 | 1768 |
| 7x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 11.5 | 13.5 | 253 |
| 7x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 12.5 | 15.0 | 341 |
| 8x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 12.5 | 14.5 | 256 |
| 8x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 13.5 | 16.5 | 348 |



ELECTROPLAST

conductorii și cabluri electrice

C2XY(-F) N2XY
U-1000 R12V ; U-1000 R02V



Cablu de energie cu izolatie de polietilena reticulata si manta de PVC

Power cable with XLPE insulation and PVC sheath

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Cond. type</i> | Nr de fire din conductor <i>No. of wires / conductor</i> | Grosime radiala izolatie <i>Radial insulation thickness mm</i> | Grosime radiala Manta <i>Radial sheath thickness mm</i> | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C Ω/km</i> | Diametru Exterior <i>Outer diameter mm</i> | | Masa inf <i>Mass inf kg/km</i> |
|---|------------------------------------|---|---|--|--|---|------|-----------------------------------|
| | | | | | | min | max | |
| 10x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 14.0 | 16.5 | 301 |
| 10x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 15.5 | 19.0 | 414 |
| 12x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 14.5 | 17.0 | 342 |
| 12x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 16.0 | 19.5 | 475 |
| 14x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 15.0 | 18.0 | 384 |
| 14x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 17.0 | 20.5 | 539 |
| 19x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 17.0 | 19.5 | 491 |
| 19x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 19.0 | 22.5 | 696 |
| 24x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 19.5 | 22.5 | 607 |
| 24x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 22.0 | 25.5 | 866 |
| 30x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 20.5 | 24.0 | 727 |
| 30x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 23.0 | 27.5 | 1047 |
| 37x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 22.5 | 25.5 | 870 |
| 37x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 25.0 | 29.5 | 1261 |



ELECTROPLAST

conductorii și cabluri electrice

C2XAbY(-F) ,C2XAbzY(-F)



Cablu de energie armat cu izolatie de polietilena reticulata si manta de PVC

Power cable with XLPE insulation and PVC sheath , armored

Standard de fabricatie: SR HD 603 S1 ;IEC 502

Tensiune nominala $U_0/U(U_m)$: 0.6/1(1.2) kV

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere.

Cablurile pot fi pozate in spatii inchise si deschise, in pamant ,in canale ,in beton ,in apa

Temperatura conductorului de cupru in functionarea de durata:90°C

Temperatura maxima a conductorului in scurt-circuit(max 5 s):250°C

Temperatura minima a cablului (masurata pe manta)

-la montaj -5°C

-in exploatare -40°C

Conductor de cupru

Conductor unifilar (re).

Izolatie

XLPE- polietilena reticulata

Manta interioara

PVC tip YI1 sau MF pentru cablurile cu rezistenta marita la propagarea flacarii de culoare neagra sau gri.

Armatura

Banda laminata la rece nezincata sau zincata de grosime minima 0.2 mm.

Manta exterioara de PVC

PVC tip M40 negru sau MF gri

Tensiunea de incercare

4 kV,50 Hz ,timp de 5 minute.

Marcaj pe manta

SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie.

Raza minima de curbura la instalare: 12xdiametrul cablului

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

1 conductor - albastru, sau galben-verde

2 conductoare-albastru,maro

- galben-verde,negru, pt sect >10mm²

3 conductoare-maro,negru,gri

- galben-verde,albastru,maro

4 conductoare-albastru,maro,negru,gri

- galben-verde,maro,negru,gri

5 conductoare-albastru,maro,negru,,gri,negru

- galben-verde,albastru,maro,negru,gri

Mai mult de 5 conductoare-

-conductoare negre numerotate

- galben-verde,conductoare numerotate

Standard: SR HD 603 S1 ; IEC 502

Rated voltage $U_0/U(U_m)$: 0.6/1(1.2) kV

Applications :

Power supply to power stations

The cables can be installed in open or confined areas, under ground, in sewers, in concrete , under water.

Conductor temperature in long-run operation: 90°C

Max. conductor temperature in short-circuit (max 5 s): 250°C

Minimum cable temperature (masured on the sheath surface)

-during installation -5°C

-in operation -40°C

Copper conductor

Monowire (re).

Insulation

XLPE- cross-linkable polyetilene

Inner sheath

PVC type YM1 or MF for extra flame retardant cables, black or gray

Aarmor

Blank or zinc-plated cold-rolled tape, min. thickness 0.2 mm.

Sheath

PVC type M40 black or MF grey

Test voltage

4 kV, 50 Hz, for 5 minute.

Sheath marking

SC ELECTROPLAST SA, cable symbol , operational voltage, year of manufacture.

Min. bending radius at installation :

12 x cable diameter

Max. tensile strain at installation :

50 N/mm²

Color coding :

1 conductor-blue or yellow-green

2 conductors- blue,brown

- yellow-green,black for sect>10 mm²

3 conductors- brown,black,grey

-yellow-green, blue,brown

4 conductors-blue, brown, black,grey

-yellow-green, brown,black,grey

5 conductors- blue, brown, black, grey, black

-yellow-green, blue, brown, black,grey

More than 5 conductors-

-black numbered conductors

-yellow-green numbered conductors



ELECTROPLAST

conductorii și cabluri electrice

C2XAbY(-F) ,C2XAbzY(-F)



Cablu de energie armat cu izolatie de polietilena reticulata si manta de PVC

Power cable with XLPE insulation and PVC sheath , armored

| Tipodimensiune cablu <i>Cable size</i> | Tip conduc-tor <i>Cond. type</i> | Nr de fire din conductor <i>No. of wires / conductor</i> | Grosime radiala izolatie <i>Radial insulation thickness</i> mm | Grosime radiala manta <i>Radial sheath thickness</i> mm | | Diametru exterior nominal <i>Nominal outer diameter</i> mm | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km | Masa inf <i>Mass inf</i> kg/km |
|---|-------------------------------------|---|--|---|-------------------|--|---|--------------------------------------|
| | | | | Int <i>inner</i> | Ext <i>ext</i> | | | |
| 2x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 12.8 | 12.1 | 254 |
| 2x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 13.6 | 7.41 | 283 |
| 2x4 | re | 1 | 0.7 | 1.2 | 1.8 | 14.7 | 4.61 | 366 |
| 2x6 | re | 1 | 0.7 | 1.2 | 1.8 | 15.7 | 3.08 | 439 |
| 2x10 | rm | 7 | 0.7 | 1.2 | 1.8 | 18.6 | 1.83 | 625 |
| 2x16 | rm | 7 | 0.7 | 1.2 | 1.8 | 20.8 | 1.15 | 834 |
| 2x25 | rm | 7 | 0.9 | 1.2 | 1.8 | 24.2 | 0.727 | 1173 |
| 2x35 | rm | 7 | 0.9 | 1.2 | 1.8 | 26.6 | 0.524 | 1476 |
| 3x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 13.2 | 0.387 | 279 |
| 3x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 14.1 | 7.41 | 319 |
| 3x4 | re | 1 | 0.7 | 1.2 | 1.8 | 15.3 | 4.61 | 415 |
| 3x6 | re | 1 | 0.7 | 1.2 | 1.8 | 16.4 | 3.08 | 507 |
| 3x10 | rm | 7 | 0.7 | 1.2 | 1.8 | 19.5 | 1.83 | 730 |
| 3x16 | rm | 7 | 0.7 | 1.2 | 1.8 | 21.8 | 1.15 | 996 |
| 3x25 | rm | 7 | 0.9 | 1.2 | 1.8 | 25.5 | 0.727 | 1422 |
| 3x25+16 | rm | 7 | 0.9;0.7 | 1.2 | 1.8 | 26.6 | 0.727;1.15 | 1610 |
| 3x35 | rm | 7 | 0.9 | 1.2 | 1.9 | 28.3 | 0.524 | 1824 |
| 3x35+16 | rm | 7 | 0.9;0.7 | 1.2 | 1.8 | 28.8 | 0.524;1.15 | 1973 |
| 3x50+25 | sm;rm | 19;7 | 1.0 ; 0.9 | 1.2 | 1.8 | 27.3 | 0.387;0.727 | 2225 |
| 3x70+35 | sm;rm | 19;7 | 1.1 ; 0.9 | 1.2 | 1.9 | 30.7 | 0.268;0.524 | 3022 |
| 3x95+50 | sm;sm | 19;19 | 1.1; 1.0 | 1.2 | 2.1 | 34.5 | 0.193;0.387 | 4522 |
| 3x120+70 | sm;sm | 37;19 | 1.2 ; 1.1 | 1.2 | 2.1 | 38.8 | 0.153;0.268 | 5428 |
| 3x150+70 | sm;sm | 37;19 | 1.4 ; 1.1 | 1.3 | 2.3 | 43.0 | 0.124;0.268 | 6408 |
| 3x185+95 | sm;sm | 37;19 | 1.6 ; 1.1 | 1.3 | 2.3 | 43.9 | 0.0991;0.193 | 7848 |
| 3x240+120 | sm;sm | 37;37 | 1.7 ; 1.2 | 1.5 | 2.6 | 52.8 | 0.0754;0.153 | 9964 |
| 4x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 13.9 | 12.1 | 314 |
| 4x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 14.9 | 7.41 | 367 |
| 4x4 | re | 1 | 0.7 | 1.2 | 1.8 | 16.2 | 4.61 | 483 |
| 4x6 | re | 1 | 0.7 | 1.2 | 1.8 | 17.5 | 3.08 | 599 |
| 4x10 | rm | 7 | 0.7 | 1.2 | 1.8 | 20.9 | 1.83 | 870 |
| 4x16 | rm | 7 | 0.7 | 1.2 | 1.8 | 23.5 | 1.15 | 1206 |
| 4x25 | rm | 7 | 0.9 | 1.2 | 1.8 | 27.6 | 0.727 | 1742 |
| 4x35 | rm | 7 | 0.9 | 1.2 | 1.9 | 30.7 | 0.524 | 2254 |
| 5x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 14.7 | 12.1 | 358 |
| 5x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 15.8 | 7.41 | 418 |
| 5x4 | re | 1 | 0.7 | 1.2 | 1.8 | 17.3 | 4.61 | 561 |
| 5x6 | re | 1 | 0.7 | 1.2 | 1.8 | 18.6 | 3.08 | 690 |
| 5x10 | rm | 7 | 0.7 | 1.2 | 1.8 | 22.4 | 1.83 | 1026 |



ELECTROPLAST

conductorii și cabluri electrice

C2XAbY(-F) ,C2XAbzY(-F)



Cablu de energie armat cu izolatie de polietilena reticulata si manta de PVC

Power cable with XLPE insulation and PVC sheath , armored

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Cond. type</i> | Nr de fire din conductor <i>No. of wires / conductor</i> | Grosime radiala izolatie <i>Radial insulation thickness</i> | Grosime radiala manta <i>Radial sheath thickness</i> mm | | Diametru exterior nominal <i>Nominal outer diameter</i> | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> | Masa inf <i>Mass inf</i> kg/km |
|---|------------------------------------|---|--|---|-----|--|---|--------------------------------------|
| | | | | Int | Ext | | | |
| 5x16 | rm | 7 | 0.7 | 1.2 | 1.8 | 25.4 | 1.15 | 1437 |
| 5x25 | rm | 7 | 0.9 | 1.2 | 1.9 | 30.1 | 0.727 | 2103 |
| 5x35 | rm | 7 | 0.9 | 1.2 | 2.0 | 33.6 | 0.524 | 2731 |
| 7x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 15.5 | 12.1 | 406 |
| 7x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 16.7 | 7.41 | 478 |
| 8x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 17.2 | 12.1 | 429 |
| 8x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 18.6 | 7.41 | 509 |
| 10x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 18.1 | 12.1 | 485 |
| 10x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 19.7 | 7.41 | 600 |
| 12x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 18.6 | 12.1 | 531 |
| 12x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 20.2 | 7.41 | 677 |
| 14x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 19.3 | 12.1 | 582 |
| 14x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 21.0 | 7.41 | 745 |
| 19x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 20.9 | 12.1 | 708 |
| 19x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 22.9 | 7.41 | 909 |
| 24x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 23.7 | 12.1 | 858 |
| 24x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 26.1 | 7.41 | 1096 |
| 30x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 24.8 | 12.1 | 992 |
| 30x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 27.4 | 7.41 | 1322 |
| 37x1.5 | re | 1 | 0.7 | 1.2 | 1.8 | 26.5 | 12.1 | 1155 |
| 37x2.5 | re | 1 | 0.7 | 1.2 | 1.8 | 29.3 | 7.41 | 1549 |



ELECTROPLAST

conductorii și cabluri electrice

C2XH**N2XH**

Cablu de energie cu izolatie de polietilena reticulata si manta fara halogen

Power cable with XLPE insulation and PVC sheath, halogen free

Standard de fabricatie: SR HD 604 S1 /5G

Tensiune nominala U_o/U(U_m) : 0.6/1(1.2) kV

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere.

Cablurile pot fi pozate in spatii inchise si deschise, in pamant ,in canale ,in beton ,in apa

Temperatura conductorului de cupru in functionarea de durata:90°C

Temperatura maxima a conductorului in scurtcircuit (max 5 s):250°C

Temperatura minima a cablului (masurata pe manta) -la montaj -5°C

-in exploatare -30°C

Conductor de cupru

Conductor unifilar (re) sau multifilar (rm) .

Izolatie: XLPE- polietilena reticulabila

Manta de PVC ,neagra

Poliolefina tip HM4 fara halogen, negru

Cabluri sunt cu intarziere marita la propagarea flacarii conf

SR EN 50266-2-4/cat C

Corazivitatea gazelor de ardere conf SR EN 50267-2-2; pH ≥ 4.3

Conductivitatea ≤ 100 μS.cm⁻¹

Densitatea fumului ,conf SR EN 50268

* permeabilitatea luminii ≥ (50-70) %

Tensiunea de incercare: 4 kV,50 Hz ,timp de 5 minute.

Marcaj pe manta

SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie.

Raza minima de curbura la instalare

15xdiametrul cablului-cablu monofilar

12xdiametrul cablului-cablu multifilar

Forta maxima de tractiune la pozare: 50 N/mm²

Cod de culori

1 conductor - albastru, sau galben-verde

2 conductoare-albastru,maro

- galben-verde,negru, pt sect >10mm²

3 conductoare-maro,negru,gri

- galben-verde,albastru,maro

4 conductoare-albastru,maro,negru,gri

- galben-verde,maro,negru,gri

5 conductoare-albastru,maro,negru,,gri,negru

- galben-verde,albastru,maro,negru,gri

Mai mult de 5 conductoare-

-conductoare negre numerotate

- galben-verde ,conductoare numerotate

Standard: SR HD 604 S1/5G

Rated voltage U_o/U(U_m) : 0.6/1(1.2) kV

Applications :

Power supply to power stations

The cables can be installed in open or confined areas, under ground, in sewers, in concrete , under water.

Conductor temperature in long-run operation: 90°C

Max. conductor temperature in short-circuit (max 5 s): 250°C

Minimum cable temperature (masured on the sheath surface)

-during installation -5°C

-in operation -30°C

Copper conductor: Monowire (re) or multiwire (rm) .

Insulation: XLPE- cross-linkable polyetilene

Sheath: Poliolefin typeHM4 black

The cables are extra flame retardant according to EN 50266-2-4/ Category C

Corrosivity of gases evolved;: pH ≥ 4.3;

Conductivity: ≤ 100 μS.cm⁻¹

Smoke density according SR EN 50268

Light permeability :≥ (50-70) %

Test voltage

4 kV, 50 Hz, for 5 minute.

Sheath marking

SC ELECTROPLAST SA, cable symbol , operational voltage, year of manufacture.

Min. bending radius at installation :

15 x cable diameter – single-core cable

12 x cable diameter – multi-core cable

Max. tensile strain at installation: 50 N/mm²

Color coding :

1 conductor-blue or yellow-green

2 conductors- blue,brown

- yellow-green,black for sect>10 mm²

3 conductors- brown,black,grey

-yellow-green, blue,brown

4 conductors-blue, brown, black,grey

-yellow-green, brown,black,grey

5 conductors- blue, brown, black, grey, black

-yellow-green, blue, brown, black,grey

More than 5 conductors-

-black numbered conductors

-yellow-green numbered conductors



ELECTROPLAST

conductorii și cabluri electrice

C2XH

N2XH



Cablu de energie cu izolatie de polietilena reticulata si manta fara halogen

Power cable with XLPE insulation and PVC sheath, halogen free

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Cond. type</i> | Nr de fire din conductor <i>No. of wires / conductor</i> | Grosime radiala izolatie <i>Radial insulation thickness mm</i> | Grosime radiala Manta <i>Radial sheath thickness mm</i> | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C Ω/km</i> | Diametru Exterior <i>Outer diameter Mm</i> | Masa inf <i>Mass inf kg/km</i> |
|---|------------------------------------|---|---|--|--|---|-----------------------------------|
| 1x1.5 | re | 1 | 0.7 | 1.2 | 12.1 | 5.2 | 42 |
| 1x2.5 | re | 1 | 0.7 | 1.2 | 7.41 | 5.6 | 54 |
| 1x4 | re | 1 | 0.7 | 1.2 | 4.61 | 6.1 | 72 |
| 1x6 | re | 1 | 0.7 | 1.2 | 3.08 | 6.6 | 94 |
| 1x10 | re | 1 | 0.7 | 1.2 | 1.83 | 7.8 | 138 |
| 1x16 | re | 1 | 0.7 | 1.2 | 1.15 | 8.9 | 203 |
| 1x25 | rm | 7 | 0.9 | 1.2 | 0.727 | 10.6 | 306 |
| 1x35 | rm | 7 | 0.9 | 1.2 | 0.524 | 11.8 | 404 |
| 1x50 | rm | 19 | 1.0 | 1.2 | 0.387 | 13.3 | 533 |
| 1x70 | rm | 19 | 1.1 | 1.3 | 0.268 | 15.4 | 749 |
| 1x95 | rm | 19 | 1.1 | 1.3 | 0.193 | 17.4 | 1009 |
| 1x120 | rm | 37 | 1.2 | 1.3 | 0.153 | 19.2 | 1238 |
| 1x150 | rm | 37 | 1.4 | 1.4 | 0.124 | 21.2 | 1530 |
| 1x185 | rm | 37 | 1.6 | 1.4 | 0.0991 | 23.6 | 1923 |
| 1x240 | rm | 61 | 1.7 | 1.5 | 0.0754 | 26.2 | 2500 |
| 1x300 | rm | 61 | 1.8 | 1.5 | 0.0601 | 29.4 | 3101 |
| 2x1.5 | re | 1 | 0.7 | 1.2 | 12.1 | 9.0 | 127 |
| 2x2.5 | re | 1 | 0.7 | 1.2 | 7.41 | 9.8 | 162 |
| 2x4 | re | 1 | 0.7 | 1.2 | 4.61 | 10.7 | 220 |
| 2x6 | re | 1 | 0.7 | 1.2 | 3.08 | 11.7 | 281 |
| 2x10 | re | 1 | 0.7 | 1.2 | 1.83 | 14.2 | 403 |
| 2x16 | re | 1 | 0.7 | 1.3 | 1.15 | 16.6 | 592 |
| 2x25 | rm | 7 | 0.9 | 1.3 | 0.727 | 20.0 | 889 |
| 2x35 | rm | 7 | 0.9 | 1.4 | 0.524 | 22.6 | 1174 |
| 3x1.5 | re | 1 | 0.7 | 1.2 | 0.387 | 9.4 | 146 |
| 3x2.5 | re | 1 | 0.7 | 1.2 | 7.41 | 10.2 | 187 |
| 3x4 | re | 1 | 0.7 | 1.2 | 4.61 | 11.2 | 260 |
| 3x6 | re | 1 | 0.7 | 1.2 | 3.08 | 12.4 | 341 |
| 3x10 | re | 1 | 0.7 | 1.3 | 1.83 | 15.3 | 502 |
| 3x16 | re | 1 | 0.7 | 1.3 | 1.15 | 17.6 | 738 |
| 3x25 | rm | 7 | 0.9 | 1.4 | 0.727 | 21.5 | 1128 |
| 3x35 | rm | 7 | 0.9 | 1.4 | 0.524 | 24.2 | 1489 |
| 3x50 | sm | 19 | 1.0 | 1.4 | 0.387 | 24.6 | 1790 |
| 3x70 | sm | 19 | 1.1 | 1.5 | 0.268 | 28.2 | 2503 |
| 3x95 | sm | 19 | 1.1 | 1.6 | 0.193 | 32.2 | 3405 |
| 3x120 | sm | 37 | 1.2 | 1.6 | 0.153 | 34.3 | 4370 |
| 3x150 | sm | 37 | 1.4 | 1.7 | 0.124 | 36.6 | 4830 |



ELECTROPLAST

conductorii și cabluri electrice

C2XH

N2XH



Cablu de energie cu izolatie de polietilena reticulata si manta fara halogen

Power cable with XLPE insulation and PVC sheath, halogen free

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Cond. type</i> | Nr de fire din conductor <i>No. of wires / conductor</i> | Grosime radiala izolatie <i>Radial insulation thickness mm</i> | Grosime radiala Manta <i>Radial sheath thickness mm</i> | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C Ω/km</i> | Diametru Exterior <i>Outer diameter mm</i> | Masa inf <i>Mass inf kg/km</i> |
|---|------------------------------------|---|---|--|--|---|-----------------------------------|
| 3x185 | sm | 37 | 1.6 | 1.7 | 0.0991 | 39.7 | 6035 |
| 3x240 | sm | 37 | 1.7 | 2.0 | 0.0754 | 48.0 | 7535 |
| 3x25+16 | rm;re | 7;1 | 0.9;0.7 | 1.4 | 0.727;1.15 | 22.6 | 1300 |
| 3x35+16 | rm;re | 7;1 | 0.9;0.7 | 1.5 | 0.524;1.15 | 25.0 | 1650 |
| 3x50+25 | sm;rm | 19;7 | 1.0;0.9 | 1.5 | 0.387;0.727 | 27.9 | 1950 |
| 3x70+35 | sm;rm | 19;7 | 1.1;0.9 | 1.6 | 0.268;0.524 | 32.7 | 2621 |
| 3x95+50 | sm | 19;7 | 1.1;1.0 | 1.6 | 0.193;0.387 | 34.6 | 3522 |
| 3x120+70 | sm | 37 | 1.2;1.1 | 1.7 | 0.153;0.268 | 37.7 | 4481 |
| 3x150+70 | sm | 37 | 1.4;1.1 | 1.8 | 0.124;0.268 | 41.6 | 5315 |
| 3x185+95 | sm | 37 | 1.6;1.1 | 1.8 | 0.0991;0.193 | 45.8 | 6765 |
| 3x240+120 | sm | 61 | 1.7;1.2 | 2.0 | 0.0754;0.153 | 52.0 | 8527 |
| 4x1.5 | re | 1 | 0.7 | 1.2 | 12.1 | 10.0 | 170 |
| 4x2.5 | re | 1 | 0.7 | 1.2 | 7.41 | 11.0 | 226 |
| 4x4 | re | 1 | 0.7 | 1.2 | 4.61 | 12.2 | 318 |
| 4x6 | re | 1 | 0.7 | 1.2 | 3.08 | 13.5 | 421 |
| 4x10 | re | 1 | 0.7 | 1.3 | 1.83 | 16.7 | 623 |
| 4x16 | re | 1 | 0.7 | 1.3 | 1.15 | 19.3 | 925 |
| 4x25 | rm | 7 | 0.9 | 1.4 | 0.727 | 23.6 | 1421 |
| 4x35 | rm | 7 | 0.9 | 1.5 | 0.524 | 26.7 | 1894 |
| 4x50 | sm | 19 | 1.0 | 1.5 | 0.387 | 27.9 | 2310 |
| 4x70 | sm | 19 | 1.1 | 1.6 | 0.268 | 32.7 | 3410 |
| 4x95 | sm | 19 | 1.1 | 1.7 | 0.193 | 34.6 | 4550 |
| 4x120 | sm | 37 | 1.2 | 1.7 | 0.153 | 37.7 | 5310 |
| 4x150 | sm | 37 | 1.4 | 1.8 | 0.124 | 41.6 | 6520 |
| 4x185 | sm | 37 | 1.6 | 1.8 | 0.0991 | 45.8 | 7814 |
| 4x240 | sm | 61 | 1.7 | 2.0 | 0.0754 | 52.0 | 10205 |
| 5x1.5 | re | 1 | 0.7 | 1.2 | 12.1 | 10.8 | 206 |
| 5x2.5 | re | 1 | 0.7 | 1.2 | 7.41 | 12.0 | 277 |
| 5x4 | re | 1 | 0.7 | 1.2 | 4.61 | 13.3 | 390 |
| 5x6 | re | 1 | 0.7 | 1.2 | 3.08 | 14.7 | 519 |
| 5x10 | re | 1 | 0.7 | 1.3 | 1.83 | 18.2 | 773 |
| 5x16 | re | 7 | 0.7 | 1.4 | 1.15 | 21.4 | 1144 |
| 5x25 | rm | 7 | 0.9 | 1.5 | 0.727 | 26.1 | 1758 |
| 7x1.5 | re | 1 | 0.7 | 1.2 | 12.1 | 11.7 | 243 |
| 7x2.5 | re | 1 | 0.7 | 1.2 | 7.41 | 13.0 | 332 |
| 10x1.5 | re | 1 | 0.7 | 1.3 | 12.1 | 14.6 | 376 |
| 10x2.5 | re | 1 | 0.7 | 1.3 | 7.41 | 16.3 | 515 |
| 12x1.5 | re | 1 | 0.7 | 1.3 | 12.1 | 15.1 | 409 |
| 12x2.5 | Re | 1 | 0.7 | 1.3 | 7.41 | 16.8 | 566 |
| 14x1.5 | re | 1 | 0.7 | 1.3 | 12.1 | 15.8 | 455 |



ELECTROPLAST

conductorii și cabluri electrice

C2XH**N2XH**

Cablu de energie cu izolatie de polietilena reticulata si manta fara halogen

Power cable with XLPE insulation and PVC sheath, halogen free

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Cond. type</i> | Nr de fire din conductor <i>No. of wires / conductor</i> | Grosime radiala izolatie <i>Radial insulation thickness mm</i> | Grosime radiala Manta <i>Radial sheath thickness mm</i> | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C Ω/km</i> | Diametru Exterior <i>Outer diameter mm</i> | Masa inf <i>Mass inf kg/km</i> |
|---|------------------------------------|---|---|--|--|---|-----------------------------------|
| 14x2.5 | re | 1 | 0.7 | 1.3 | 7.41 | 17.6 | 634 |
| 19x1.5 | re | 1 | 0.7 | 1.3 | 12.1 | 17.5 | 572 |
| 19x2.5 | re | 1 | 0.7 | 1.3 | 7.41 | 19.6 | 806 |
| 24x1.5 | re | 1 | 0.7 | 1.4 | 12.1 | 20.4 | 769 |
| 24x2.5 | re | 1 | 0.7 | 1.4 | 7.41 | 22.9 | 1080 |
| 30x1.5 | re | 1 | 0.7 | 1.4 | 12.1 | 21.6 | 882 |
| 30x2.5 | re | 1 | 0.7 | 1.4 | 7.41 | 24.2 | 1252 |
| 37x1.5 | re | 1 | 0.7 | 1.4 | 12.1 | 23.3 | 1041 |
| 37x2.5 | re | 1 | 0.7 | 1.5 | 7.41 | 26.2 | 1488 |



ELECTROPLAST

conductorii și cabluri electrice



Cablu de securitate cu izolatie de polietilena reticulata si manta termoplastica fara halogen cu emisie redusa de fum (LSFH)

Safety cable with XLPE insulation and halogen-free, low smoke – emission thermoplastic sheath

Standard de fabricatie: DIN VDE 0266 ;

Tensiune nominala U₀/U(Um) : 0.6/1(1.2) kV

Domeniul de utilizare: Cablurile sunt utilizate pentru instalatii electrice fixe ,in cladiri publice unde poate fi pusa in pericol viata sau importante valori materiale.

Temperatura conductorului de cupru in functionarea de durata:90°C

Temperatura maxima a conductorului in scurtcircuit (max 5 s):250°C

Temperatura minima a cablului (masurata pe manta)

-la montaj -5°C

-in exploatare -30°C

Conductor de cupru: Conductor unifilar (re) sau multifilar (rm) conf SR EN 60228 .

Banda de mica

Peste cond de cupru se aplica o banda de mica

Izolatie: XLPE- polietilena reticulabila

Banda de fibra de sticla: Peste ansamblul conductoarelor infuniate se aplica o banda tesuta din fibra de sticla

Manta termoplastica

Poliiolefina tip HM4 fara halogen, portocalie

Comportare la foc

Cabluri sunt cu intarziere marita la propagarea flacarii conf SR EN 50266-2-4/cat C

Corozivitatea gazelor de ardere conf SR EN 50267-2-2

pH ≥ 4.3

Conductivitatea ≤ 100 μS.cm⁻¹

Densitatea fumului ,conf SR EN 50268

* permeabilitatea luminii ≥ (50-70) %

Integritatea izolatiei in timpul arderii : 180 min conf VDE 0472-814

Durata de functionare a cablului in timpul arderii 30-60 min . conf DIN 4102-12

Tensiunea de incercare : 4 kV,50 Hz ,timp de 5 minute.

Marcaj pe manta: SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie.

Raza minima de curbura la instalare

15xdiametrul cablului-cablu monofilar

12xdiametrul cablului-cablu multifilar

Forta maxima de tractiune la pozare: 50 N/mm²

Cod de culori

1 conductor - albastru, sau galben-verde

2 conductoare-albastru,maro

- galben-verde,negru, pt sect >10mm²

3 conductoare-marou,negru,gri

- galben-verde,albastru,maro

4 conductoare-albastru,maro,negru,gri

- galben-verde,maro,negru,gri

5 conductoare-albastru,maro,negru,,gri,negru

- galben-verde,albastru,maro,negru,gri

Mai mult de 5 conductoare-

-conductoare negre numerotate

- galben-verde ,conductoare numerotate

Standard: DIN VDE 0266

Rated voltage U₀/U(Um) : 0.6/1(1.2) kV

Applications: The cables are used for fixed electrical wirings in public buildings where human life or property of considerable value may be at risk.

Conductor temperature in long-run operation: 90°C

Max. conductor temperature in short-circuit (max 5 s): 250°C

Minimum cable temperature (masured on the sheath surface)

-during installation -5°C; -in operation -30°C

Copper conductor:

Monowire (re) or multiwire (rm) according to SR EN 60228 .

Mica tape

A mica tape will be applied over the copper conductor

Insulation: XLPE - cross-linkable polyetilene

Fiber glass tape

A woven fiber glass tape will be applied over the stranded conductors

Thermoplastc sheath

Halogen-free polyolefin type HM4, orange

Fire exposure behaviour

The cables are extra flame retardant according to

EN 50266-2-4/ Category C

Corrosivity of gases evolved

* pH ≥ 4.3

* Conductivity: ≤ 100 μS.cm⁻¹

Smoke density according SR EN 50268; Light permeability :≥ (50-70) %
Insulation preservation during combustion: 180 min. according to VDE 0472-814.

Preservation of cable functionality during combustion: 30 – 60 min. according to DIN 4102-12.

Test voltage: 4 kV, 50 Hz, for 5 minutes.

Sheath marking: SC ELECTROPLAST SA, cable symbol , operational voltage, year of manufacture.

Min. bending radius at installation :

15 x cable diameter – single-core cable

12 x cable diameter – multi-core cable

Max. tensile strain at installation: 50 N/mm²

Color coding :

1 conductor-blue or yellow-green

2 conductors- blue,brown

- yellow-green,black for sect>10 mm²

3 conductors- brown,black,grey

-yellow-green, blue,brown

4 conductors-blue, brown, black,grey

-yellow-green, brown,black,grey

5 conductors- blue, brown, black, grey, black

-yellow-green, blue, brown, black,grey

More than 5 conductors-

-black numbered conductors

-yellow-green numbered conductors



ELECTROPLAST

conductori și cabluri electrice

CHXH FE 180 ; NHXH FE 180

Cablu de securitate cu izolatie de polietilena reticulata si manta termoplastica fara halogen cu emisie redusa de fum (LSFH)

Safety cable with XLPE insulation and halogen-free, low smoke – emission thermoplastic sheath

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Cond. type</i> | Nr de fire din conductor <i>No. of wires / conductor</i> | Grosime radiala izolatie <i>Radial insulation thickness</i> mm | Grosime radiala manta <i>Radial sheath thickness</i> mm | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km | Diametru Exterior inf <i>Outer diameter</i> mm | Masa inf <i>Mass inf</i> copper kg/km |
|---|------------------------------------|---|--|---|---|--|--|
| 1x4 | re | 1 | 0.7 | 1.8 | 4.61 | 6.6 | 101 |
| 1x6 | re | 1 | 0.7 | 1.8 | 3.08 | 7.1 | 121 |
| 1x10 | re | 1 | 0.7 | 1.8 | 1.83 | 8.3 | 166 |
| 1x16 | re | 1 | 0.7 | 1.8 | 1.15 | 9.4 | 245 |
| 1x25 | rmc | 7 | 0.9 | 1.8 | 0.727 | 11.1 | 350 |
| 1x35 | rmc | 7 | 0.9 | 1.8 | 0.524 | 12.3 | 450 |
| 1x50 | rmc | 19 | 1.0 | 1.8 | 0.387 | 13.8 | 595 |
| 1x70 | rmc | 19 | 1.1 | 1.8 | 0.268 | 16.0 | 802 |
| 1x95 | rmc | 19 | 1.1 | 1.8 | 0.193 | 18.0 | 1050 |
| 1x120 | rmc | 37 | 1.2 | 1.8 | 0.153 | 19.7 | 1285 |
| 1x150 | rmc | 37 | 1.4 | 1.8 | 0.124 | 21.7 | 1640 |
| 1x185 | rmc | 37 | 1.6 | 1.8 | 0.0991 | 24.1 | 2010 |
| 1x240 | rmc | 61 | 1.7 | 1.8 | 0.0754 | 26.7 | 2600 |
| 1x300 | rmc | 61 | 1.8 | 1.9 | 0.0601 | 29.9 | 3453 |
| 2x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 12.5 | 195 |
| 2x4 | re | 1 | 0.7 | 1.8 | 4.61 | 13.5 | 230 |
| 2x6 | re | 1 | 0.7 | 1.8 | 3.08 | 15.0 | 282 |
| 2x10 | re | 1 | 0.7 | 1.8 | 1.83 | 17.0 | 400 |
| 2x16 | re | 1 | 0.7 | 1.8 | 1.15 | 20.0 | 595 |
| 2x25 | rm | 7 | 0.9 | 1.8 | 0.727 | 23.0 | 830 |
| 2x35 | rm | 7 | 0.9 | 1.8 | 0.524 | 24.0 | 970 |
| 3x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 14.0 | 222 |
| 3x4 | re | 1 | 0.7 | 1.8 | 4.61 | 15.0 | 270 |
| 3x6 | re | 1 | 0.7 | 1.8 | 3.08 | 16.0 | 337 |
| 3x10 | re | 1 | 0.7 | 1.8 | 1.83 | 18.0 | 472 |
| 3x16 | re | 1 | 0.7 | 1.8 | 1.15 | 21.0 | 763 |
| 3x25 | rmc | 7 | 0.9 | 1.8 | 0.727 | 24.0 | 1115 |
| 3x35 | rmc | 7 | 0.9 | 1.8 | 0.524 | 27.0 | 1420 |
| 3x50 | rmc | 19 | 1.0 | 1.9 | 0.387 | 30.0 | 2190 |
| 3x70 | rmc | 19 | 1.1 | 2.1 | 0.268 | 34.0 | 3019 |
| 3x95 | rmc | 19 | 1.1 | 2.2 | 0.193 | 39.0 | 3442 |



ELECTROPLAST

conductorii și cabluri electrice

CHXH FE 180 ; NHXH FE 180



Cablu de securitate cu izolatie de polietilena reticulata si manta termoplastica fara halogen cu emisie redusa de fum (LSFH)

Safety cable with XLPE insulation and halogen-free, low smoke – emission thermoplastic sheath

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Cond. type</i> | Nr de fire din conductor <i>No. of wires / conductor</i> | Grosime radiala izolatie <i>Radial insulation thickness</i> mm | Grosime radiala manta <i>Radial sheath thickness</i> mm | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km | Diametru Exterior inf <i>Outer diameter</i> mm | Masa inf <i>Mass inf</i> kg/km |
|---|------------------------------------|---|--|---|---|--|--------------------------------------|
| 3x120 | rmc | 37 | 1.2 | 2.3 | 0.153 | 43.0 | 4582 |
| 3x150 | rmc | 37 | 1.4 | 2.5 | 0.124 | 47.2 | 5350 |
| 3x185 | rmc | 37 | 1.6 | 2.6 | 0.0991 | 52.1 | 6150 |
| 3x240 | rmc | 37 | 1.7 | 2.9 | 0.0754 | 59.0 | 6802 |
| 3x25+16 | rmc | 7;1 | 0.9;0.7 | 1.8 | 0.727;1.15 | 26.0 | 1500 |
| 3x35+16 | rmc | 7;1 | 0.9;0.7 | 1.9 | 0.524;1.15 | 28.0 | 1830 |
| 3x50+25 | rmc | 19;7 | 1.0;0.9 | 2.1 | 0.387;0.727 | 32.0 | 2455 |
| 3x70+35 | rmc | 19;7 | 1.1;0.9 | 2.2 | 0.268;0.524 | 36.0 | 3352 |
| 3x95+50 | rmc | 19;7 | 1.1;1.0 | 2.3 | 0.193;0.387 | 34.6 | 4520 |
| 3x120+70 | rmc | 37 | 1.2;1.1 | 2.5 | 0.153;0.268 | 37.7 | 5533 |
| 3x150+70 | rmc | 37 | 1.4;1.1 | 2.7 | 0.124;0.268 | 41.6 | 6900 |
| 3x185+95 | rmc | 37 | 1.6;1.1 | 2.8 | 0.0991;0.193 | 45.8 | 7345 |
| 3x240+120 | rmc | 61 | 1.7;1.2 | 3.1 | 0.0754;0.153 | 52.0 | 9800 |
| 4x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 16.4 | 275 |
| 4x4 | re | 1 | 0.7 | 1.8 | 4.61 | 17.6 | 335 |
| 4x6 | re | 1 | 0.7 | 1.8 | 3.08 | 18.8 | 420 |
| 4x10 | re | 1 | 0.7 | 1.8 | 1.83 | 20.0 | 566 |
| 4x16 | re | 1 | 0.7 | 1.8 | 1.15 | 23.0 | 932 |
| 4x25 | rmc | 7 | 0.9 | 1.8 | 0.727 | 27.5 | 1425 |
| 4x35 | rmc | 7 | 0.9 | 1.9 | 0.524 | 30.5 | 1840 |
| 4x50 | rmc | 19 | 1.0 | 2.1 | 0.387 | 33.0 | 2460 |
| 4x70 | rmc | 19 | 1.1 | 2.2 | 0.268 | 38.0 | 3320 |
| 4x95 | rmc | 19 | 1.1 | 2.3 | 0.193 | 44.0 | 4535 |
| 4x120 | rmc | 37 | 1.2 | 2.5 | 0.153 | 47.0 | 5600 |
| 4x150 | rmc | 37 | 1.4 | 2.7 | 0.124 | 52.0 | 6906 |
| 5x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 15.0 | 336 |
| 5x4 | re | 1 | 0.7 | 1.8 | 4.61 | 18.0 | 410 |
| 5x6 | re | 1 | 0.7 | 1.8 | 3.08 | 19.0 | 542 |
| 5x10 | re | 1 | 0.7 | 1.8 | 1.83 | 21.0 | 732 |
| 5x16 | re | 1 | 0.7 | 1.8 | 1.15 | 25.0 | 1158 |
| 7x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 17.0 | 334 |
| 7x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 18.0 | 422 |
| 12x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 21.0 | 520 |
| 12x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 23.0 | 660 |
| 19x1.5 | re | 1 | 0.7 | 1.8 | 12.1 | 25.0 | 750 |
| 19x2.5 | re | 1 | 0.7 | 1.8 | 7.41 | 27.0 | 1180 |



ELECTROPLAST

conductorii și cabluri electrice



Cablu de energie cu izolatie si manta de PVC

PVC – insulated and sheathed power cable

Standard de fabricatie: SR HD 603 S1/3G-2; IEC 502-1

Tensiune nominala U₀/U : 0.6/1 kV

Tensiune de incercare : 4 kV ca sau 12 kV cc, 5 min

Temperatura minima de instalare pe cablu: -5°C

Temperatura maxima de lucru : 70°C

Temperatura maxima de scurt-circuit : 160°C

Domeniul de utilizare: Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere. Cablurile pot fi pozate in spatii inchise si deschise, in pamant ,in canale ,in beton ,in apa

Conductor de cupru

Conductor unifilar (re)cl 1, conductor multifilar (rm), cl 2 conf SR EN 60228

Izolatie: PVC tip DIV 4

Invelis intern

PVC extrudat tip DMV5 negru sau gri sau benzi

Conductor concentric +contraspira

Sarma de cupru + contraspira din banda de Cu

Strat separator:

Manta: PVC tip DMV5 negru sau gri

Aceste cabluri sunt cu intarziere sau intarziere marita la propagarea flacarilor ;incercare conf SR EN 332-1-2 sau SR EN 50266-2-4/cat 3

Marcaj pe manta: SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie.

Raza minima de curbura la instalare

15x diametrul cablului-cablu monofilar

12x diametrul cablului-cablu multifilar

Forta maxima de tractiune la pozare: 50 N/mm²

Cod de culori

1 conductor - albastru, sau galben-verde

2 conductoare-albastru,maro
- galben-verde ,negru, pt sect >10mm²

3 conductoare-maro,negru,gri
- galben-verde,albastru,maro

4 conductoare-albastru,maro,negru,gri
- galben-verde,maro,negru,gri

5 conductoare-albastru,maro,negru,,gri,negru
- galben-verde,albastru,maro,negru,gri

Mai mult de 5 conductoare-

-conductoare negre numerotate

-v/g, conductoare numerotate

Standard: SR HD 603 S1/3G-2; IEC 502-1

Rated voltage U₀/U : 0.6/1 kV

Test voltage : 4 kV ac or 12 kV dc , 5 min

The minim temperature of de cable during installation : -5°C

Max.permmissible operating temperature : 70°C

Max. short-circuit temperature : 160°C

Applicability: Power supply to power stations.

The cables can be installed in open or confined areas, underground, in sewers, in concrete, under water

Copper conductor

Monowire (ru), multiwire (rm) according to SR EN 60228

Insulation

PVC type DIV 4

Inner sheath

Extruded PVC type DMV5, black or grey or striped

Concentric conductor + conterhelix

Copper wire + copper tape counterhelix

Separating layer:

Sheath: PVC type DMV5 black or gray

The cables are flame retardant or extra flame retardant ; test according to SR EN 332-1-2 or SR EN 50266-2-4/ Category C

Sheath marking: SC ELECTROPLAST SA , cable symbol , operational voltage, year of manufacture.

Min. bending radius at installation :

15 x cable diameter – single-core cable

12 x cable diameter – multicore cable

Max. tensile strain during installation: Max 50 N/mm²

Color coding :

1 conductor-blue or yellow-green

2 conductors- blue,brown
- yellow-green,black for sect>10 mm²

3 conductors- brown,black,grey
-yellow-green, blue,brown

4 conductors-blue, brown, black,grey
-yellow-green, brown,black,grey

5 conductors- blue, brown, black, grey, black
-yellow-green, blue, brown, black,grey

More than 5 conductors-

-numbered black conductors

-yellow-green and numbered conductors



ELECTROPLAST

conductori și cabluri electrice

CYCY (-F)

NYCY



Cablu de energie cu izolatie si manta
de PVC

PVC – insulated and sheathed power cable

| Tipo di- mensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatatie <i>Radial thickness of insulation</i> mm | Grosime radiala manta <i>Radial thickness of sheath</i> mm | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km | Diametru exterior inf <i>Auter diameter inf</i> mm | Masa inf <i>Mass inf</i> kg/km |
|---|--|---|--|--|--|---|
| 1x10/10 | re | 1.0 | 1.8 | 1.83 | 12 | 312 |
| 1x16/16 | re | 1.0 | 1.8 | 1.15 | 13 | 430 |
| 1x25/25 | rm | 1.2 | 1.8 | 0.727 | 15.8 | 630 |
| 1x35/35 | rm | 1.2 | 1.8 | 0.524 | 17.0 | 815 |
| 1x50/50 | rm | 1.4 | 1.8 | 0.387 | 19.4 | 1110 |
| 1x70/70 | rm | 1.4 | 1.8 | 0.268 | 22.2 | 1550 |
| 1x95/95 | rm | 1.6 | 1.8 | 0.193 | 24.8 | 2040 |
| 1x120/120 | rm | 1.6 | 1.8 | 0.153 | 26.4 | 2521 |
| 2x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 13.5 | 260 |
| 2x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 14.3 | 315 |
| 2x4/4 | re | 1.0 | 1.8 | 4.61 | 16.1 | 400 |
| 2x6/6 | re | 1.0 | 1.8 | 3.08 | 17.0 | 470 |
| 2x10/10 | re | 1.0 | 1.8 | 1.83 | 18.7 | 635 |
| 2x16/16 | re | 1.0 | 1.8 | 1.15 | 21.2 | 875 |
| 2x25/25 | rm | 1.2 | 1.8 | 0.727 | 26.2 | 1330 |
| 3x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 14.0 | 290 |
| 3x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 14.8 | 340 |
| 3x4/4 | re | 1.0 | 1.8 | 4.61 | 16 | 450 |
| 3x6/6 | re | 1.0 | 1.8 | 3.08 | 18 | 550 |
| 3x10/10 | re | 1.0 | 1.8 | 1.83 | 20 | 740 |
| 3x16/16 | re | 1.0 | 1.8 | 1.15 | 22 | 1030 |
| 3x25/25 | rm | 1.2 | 1.8 | 0.727 | 28 | 1585 |
| 3x25/16 | rm | 1.2 | 1.8 | 0.727;1.15 | 27 | 1508 |
| 3x35/35 | rm | 1.2 | 1.8 | 0.524 | 29 | 2050 |
| 3x35/16 | rm | 1.2 | 1.8 | 0.524;1.15 | 28 | 1930 |
| 3x50/50 | sm | 1.4 | 1.9 | 0.387 | 30 | 2100 |
| 3x50/25 | sm | 1.4 | 1.9 | 0.387;0.727 | 29 | 1877 |
| 3x70/70 | sm | 1.4 | 1.9 | 0.268 | 36 | 3190 |
| 3x70/35 | sm | 1.4 | 2.0 | 0.268;0.524 | 35 | 2850 |
| 3x95/95 | sm | 1.6 | 2.2 | 0.193 | 39 | 4300 |
| 3x95/50 | sm | 1.6 | 2.2 | 0.193;0.387 | 38 | 3900 |
| 3x120/120 | sm | 1.6 | 2.3 | 0.153 | 41 | 5350 |
| 3x120/70 | sm | 1.6 | 2.3 | 0.153;0.268 | 40 | 4900 |
| 3x150/150 | sm | 1.8 | 2.4 | 0.124 | 45 | 6590 |
| 3x150/70 | sm | 1.8 | 2.4 | 0.124;0.268 | 46 | 5850 |
| 3x185/95 | sm | 2.0 | 2.6 | 0.0991;0.193 | 50 | 7300 |
| 3x240/120 | sm | 2.2 | 2.8 | 0.0754 | 57 | 9450 |
| 4x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 14.7 | 318 |
| 4x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 15.7 | 390 |



ELECTROPLAST

conductorii și cabluri electrice

CYCY (-F)

NYCY



Cablu de energie cu izolatie si manta
de PVC

PVC – insulated and sheathed power cable

| Tipo di- mensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatatie <i>Radial thickness of insulation</i> mm | Grosime radiala manta <i>Radial thickness of sheath</i> mm | Rezistenta electrica max,la 20°C <i>Max. resistance at 20°C</i> Ω/km | Diametru exterior inf <i>Auter diameter inf</i> mm | Masa inf <i>Mass inf</i> kg/km |
|---|--|---|--|---|--|---|
| 4x4/4 | re | 1.0 | 1.8 | 4.61 | 17.6 | 520 |
| 4x6/6 | re | 1.0 | 1.8 | 3.08 | 19.0 | 640 |
| 4x10/10 | re | 1.0 | 1.8 | 1.83 | 21 | 875 |
| 4x16/16 | re | 1.0 | 1.8 | 1.15 | 25.0 | 1230 |
| 4x25/25 | rm | 1.2 | 1.8 | 0.727 | 30.0 | 1910 |
| 4x25/16 | rm | 1.2 | 1.8 | 0.727;1.15 | 29.7 | 1830 |
| 4x35/35 | rm | 1.2 | 1.8 | 0.524 | 33.2 | 2500 |
| 4x35/16 | rm | 1.2 | 1.8 | 0.524;1.15 | 32.7 | 2350 |
| 4x50/50 | sm | 1.4 | 2.0 | 0.387 | 32.6 | 2890 |
| 4x50/25 | sm | 1.4 | 2.0 | 0.387;0.727 | 31.2 | 2640 |
| 4x70/70 | sm | 1.4 | 2.1 | 0.268 | 37.0 | 4985 |
| 4x70/35 | sm | 1.4 | 2.1 | 0.268;0.524 | 35.6 | 3630 |
| 4x95/95 | sm | 1.6 | 2.3 | 0.193 | 42.0 | 5400 |
| 4x95/50 | sm | 1.6 | 2.3 | 0.193;0.387 | 40.4 | 4950 |
| 4x120/70 | sm | 1.6 | 2.4 | 0.153;0.268 | 44.3 | 6220 |
| 4x150/70 | sm | 1.8 | 2.6 | 0.124;0.268 | 47.8 | 7490 |
| 4x185/95 | sm | 2.0 | 2.7 | 0.0991;0.193 | 52.9 | 9350 |
| 4x240/120 | sm | 2.2 | 2.9 | 0.0754;0.153 | 59.4 | 12150 |
| 5x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 15.6 | 371 |
| 5x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 16.7 | 449 |
| 5x4/4 | re | 1.0 | 1.8 | 4.61 | 19.4 | 620 |
| 5x6/6 | re | 1.0 | 1.8 | 3.08 | 20.5 | 735 |
| 5x10/10 | re | 1.0 | 1.8 | 1.83 | 22.5 | 1038 |
| 5x16/16 | re | 1.0 | 1.8 | 1.15 | 25.7 | 1450 |
| 5x25/25 | rm | 1.2 | 1.9 | 0.727 | 32.2 | 2190 |
| 7x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 15.7 | 365 |
| 7x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 16.9 | 460 |
| 9x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 18.5 | 430 |
| 9x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 20.1 | 550 |
| 10x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 18.7 | 475 |
| 10x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 20.3 | 600 |
| 12x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 19.2 | 530 |
| 12x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 20.7 | 670 |
| 14x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 19.8 | 580 |
| 14x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 21.7 | 750 |
| 16x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 20.7 | 630 |
| 16x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 22.8 | 830 |
| 19x1.5/1.5 | re | 0.8 | 1.8 | 12.1 | 21.7 | 716 |
| 19x2.5/2.5 | re | 0.8 | 1.8 | 7.41 | 23.7 | 940 |



ELECTROPLAST

conductorii și cabluri electrice

C2XCY (-F)**N2XCY**

Cablu de energie cu izolatie de XLPE si manta de PVC cu conductor concentric

Power cable with XLPE insulation and PVC sheath with concentric conductor

Standard de fabricatie: SR HD 603 S1/5G ; IEC 502-1

Tensiune nominala U₀/U : 0.6/1 kV

Tensiune de incercare : 4 kV ca sau 12 kV cc, 5 min

Temperatura minima de instalare pe cablu: -5°C

Temperatura maxima de lucru : 90°C

Temperatura maxima de scurt-circuit : 250°C

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere.

Cablurile pot fi pozate in spatii inchise si deschise, in pamant ,in canale ,in beton ,in apa

Conductor de cupru: Conductor unifilar (re)cl 1, conductor multifilar (rm), cl 2 conf SR EN 60228

Izolatie: PVC tip DIX3

Invelis intern: PVC extrudat

Conductor concentric +contraspira:

Sarma de cupru + contraspira din banda de Cu

Strat separator: Banda poliesterica

Manta: PVC tip DMV6 negru sau gri

Aceste cabluri sunt cu intarziere sau intarziere marita la propagarea flacarii ;incercare conf SR EN 332-1-2 sau SR EN 50266-2-4/cat 3

Marcaj pe manta: SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie.

Raza minima de curbura la instalare

15xdiametrul cablului-cablu monofilar

12xdiametrul cablului-cablu multifilar

Forta maxima de tractiune la pozare: 50 N/mm²

Cod de culori

1 conductor - albastru, sau galben-verde

2 conductoare-albastru,maro; galben-verde ,negru, pt sect >10mm²

3 conductoare-maro,negru,gri; galben-verde,albastru,maro

4 conductoare-albastru,maro,negru,gri

- galben-verde,maro,negru,gri

5 conductoare-albastru,maro,negru,,gri,negru

- galben-verde,albastru,maro,negru,gri

Mai mult de 5 conductoare: -conductoare negre numerotate; v/g, conductoare numerotate

Standard: SR HD 603 S1/5G; IEC 502-1

Rated voltage U₀/U : 0.6/1 kV

Test voltage : 4 kV ac or 12 kV dc , 5 min

The minim temperature of de cable during installation : -5°C

Max.permissible operating temperature : 90°C

Max. short-circuit temperature : 250°C

Applicability :

Power supply to power stations.

The cables can be installed in open or confined areas, underground, in sewers, in concrete, under water

Copper conductor

Monowire (ru), multiwire (rm) according to SR EN 60228

Insulation: PVC type DIX3

Inner sheath: Extruded PVC

Concentric conductor + conterhelix

Copper wire + copper tape counterhelix

Separating layer: Polyester tape

Sheath: PVC type DMV6 black or gray

The cables are flame retardant or extra flame retardant ; test according to SR EN 332-1-2 or SR EN 50266-2-4/ Category C

Sheath marking: SC ELECTROPLAST SA , cable symbol , operational voltage, year of manufacture.

Min. bending radius at installation :

15 x cable diameter – single-core cable

12 x cable diameter – multicore cable

Max. tensile strain during installation: Max 50 N/mm²

Color coding :

1 conductor-blue or yellow-green

2 conductors- blue,brown; yellow-green,black for sect>10 mm²

3 conductors- brown,black,gray; yellow-green, blue,brown

4 conductors-blue, brown, black,gray

-yellow-green, brown,black,gray

5 conductors- blue, brown, black, grey, black

-yellow-green, blue, brown, black,gray

More than 5 conductors: -numbered black conductors

-yellow-green and numbered conductors



ELECTROPLAST

conductori și cabluri electrice

C2XCY (-F)

N2XCY



Cablu de energie cu izolatie de XLPE si manta de PVC cu conductor concentric

Power cable with XLPE insulation and PVC sheath with concentric conductor

| Tipo dimensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatii <i>Radial thickness of insulation</i> mm | Grosime radiala manta <i>Radial thickness of sheath</i> mm | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km | Diametru exterior <i>Auter diameter</i> mm | Masa inf <i>Mass inf</i> kg/km |
|--|---|---|--|---|--|--------------------------------------|
| 1x10/10 | re | 0.7 | 1.8 | 1.83 | 12 | 378 |
| 1x16/16 | re | 0.7 | 1.8 | 1.15 | 13 | 570 |
| 1x25/25 | rm | 0.9 | 1.8 | 0.727 | 15.8 | 630 |
| 1x35/35 | rm | 0.9 | 1.8 | 0.524 | 17.0 | 852 |
| 1x50/50 | rm | 1.0 | 1.8 | 0.387 | 19.4 | 1110 |
| 1x70/70 | rm | 1.1 | 1.8 | 0.268 | 22.2 | 1555 |
| 1x95/95 | rm | 1.1 | 1.8 | 0.193 | 24.8 | 2840 |
| 1x120/120 | rm | 1.2 | 1.8 | 0.153 | 26.4 | 3520 |
| 2x1.5/1.5 | re | 0.7 | 1.8 | 12.1 | 13.5 | 290 |
| 2x2.5/2.5 | re | 0.7 | 1.8 | 7.41 | 14.3 | 350 |
| 2x4/4 | re | 0.7 | 1.8 | 4.61 | 16.1 | 400 |
| 2x6/6 | re | 0.7 | 1.8 | 3.08 | 17.0 | 485 |
| 2x10/10 | re | 0.7 | 1.8 | 1.83 | 18.7 | 590 |
| 2x16/16 | re | 0.7 | 1.8 | 1.15 | 21.2 | 905 |
| 2x25/25 | rm | 0.9 | 1.8 | 0.727 | 26.2 | 1415 |
| 3x1.5/1.5 | re | 0.7 | 1.8 | 12.1 | 14.0 | 290 |
| 3x2.5/2.5 | re | 0.7 | 1.8 | 7.41 | 14.8 | 340 |
| 3x4/4 | re | 0.7 | 1.8 | 4.61 | 16 | 450 |
| 3x6/6 | re | 0.7 | 1.8 | 3.08 | 18 | 550 |
| 3x10/10 | re | 0.7 | 1.8 | 1.83 | 20 | 781 |
| 3x16/16 | re | 0.7 | 1.8 | 1.15 | 22 | 1066 |
| 3x25/25 | rm | 0.9 | 1.8 | 0.727 | 28 | 1666 |
| 3x25/16 | rm | 0.9 | 1.8 | 0.727;1.15 | 27 | 1586 |
| 3x35/35 | rm | 0.9 | 1.9 | 0.524 | 29 | 2235 |
| 3x35/16 | rm | 0.9 | 1.9 | 0.524;1.15 | 28 | 1993 |
| 3x50/50 | sm | 1.0 | 1.8 | 0.387 | 30 | 2630 |
| 3x50/25 | sm | 1.0 | 1.8 | 0.387;0.727 | 29 | 2410 |
| 3x70/70 | sm | 1.1 | 2.0 | 0.268 | 36 | 3700 |
| 3x70/35 | sm | 1.1 | 2.0 | 0.268;0.524 | 35 | 3344 |
| 3x95/95 | sm | 1.1 | 2.1 | 0.193 | 39 | 4950 |
| 3x95/50 | sm | 1.1 | 2.1 | 0.193;0.387 | 38 | 4594 |
| 3x120/70 | sm | 1.2 | 2.3 | 0.153;0.268 | 40 | 5040 |
| 3x150/150 | sm | 1.4 | 2.3 | 0.124 | 45 | 5850 |
| 3x150/70 | sm | 1.4 | 2.3 | 0.124;0.268 | 46 | 6175 |
| 3x185/95 | sm | 1.6 | 2.4 | 0.0991;0.193 | 50 | 7800 |
| 3x240/120 | sm | 1.7 | 2.6 | 0.0754 | 57 | 10112 |
| 4x1.5/1.5 | re | 0.7 | 1.8 | 12.1 | 14.7 | 318 |
| 4x2.5/2.5 | re | 0.7 | 1.8 | 7.41 | 15.7 | 390 |



ELECTROPLAST

conductorii și cabluri electrice

C2XCY (-F)**N2XCY**

Cablu de energie cu izolatie de XLPE si manta de PVC cu conductor concentric

Power cable with XLPE insulation and PVC sheath with concentric conductor

| Tipo dimensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatii <i>Radial thickness of insulation</i> mm | Grosime radiala manta <i>Radial thickness of sheath</i> mm | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km | Diametru exterior <i>Auter diameter</i> mm | Masa inf <i>Mass inf</i> kg/km |
|---|--|--|---|--|---|---|
| 4x4/4 | re | 0.7 | 1.8 | 4.61 | 17.6 | 525 |
| 4x6/6 | re | 0.7 | 1.8 | 3.08 | 19.0 | 640 |
| 4x10/10 | re | 0.7 | 1.8 | 1.83 | 21 | 926 |
| 4x16/16 | re | 0.7 | 1.8 | 1.15 | 25.0 | 1250 |
| 4x25/25 | rm | 0.9 | 1.8 | 0.727 | 30.0 | 1910 |
| 4x25/16 | rm | 0.9 | 1.8 | 0.727;1.15 | 29.7 | 1830 |
| 4x35/35 | rm | 0.9 | 2.0 | 0.524 | 33.2 | 2500 |
| 4x35/16 | rm | 0.9 | 2.0 | 0.524;1.15 | 32.7 | 2350 |
| 4x50/25 | sm | 1.0 | 1.9 | 0.387;0.727 | 31.2 | 2640 |
| 4x70/70 | sm | 1.1 | 2.1 | 0.268 | 37.0 | 4186 |
| 4x70/35 | sm | 1.1 | 2.1 | 0.268;0.524 | 35.6 | 3875 |
| 4x95/95 | sm | 1.1 | 2.2 | 0.193 | 42.0 | 5350 |
| 4x95/50 | sm | 1.1 | 2.2 | 0.193;0.387 | 40.4 | 4950 |
| 4x120/70 | sm | 1.2 | 2.3 | 0.153;0.268 | 44.3 | 6500 |
| 4x150/70 | sm | 1.4 | 2.5 | 0.124;0.268 | 47.8 | 7800 |
| 4x185/95 | sm | 1.6 | 2.6 | 0.0991;0.193 | 52.9 | 9730 |
| 4x240/120 | sm | 1.7 | 2.8 | 0.0754;0.153 | 59.4 | 12396 |
| 5x1.5/1.5 | re | 0.7 | 1.8 | 12.1 | 15.6 | 361 |
| 5x2.5/2.5 | re | 0.7 | 1.8 | 7.41 | 16.7 | 458 |
| 5x4/4 | re | 0.7 | 1.8 | 4.61 | 19.4 | 558 |
| 5x6/6 | re | 0.7 | 1.8 | 3.08 | 20.5 | 767 |
| 5x10/10 | re | 0.7 | 1.8 | 1.83 | 22.5 | 1088 |
| 5x16/16 | re | 0.7 | 1.8 | 1.15 | 25.7 | 1500 |
| 5x25/25 | rm | 0.9 | 1.9 | 0.727 | 32.2 | 2190 |
| 7x1.5/1.5 | re | 0.7 | 1.8 | 12.1 | 15.7 | 410 |
| 7x2.5/2.5 | re | 0.7 | 1.8 | 7.41 | 16.9 | 504 |
| 9x1.5/1.5 | re | 0.7 | 1.8 | 12.1 | 18.5 | 460 |
| 9x2.5/4 | re | 0.7 | 1.8 | 7.41 | 20.1 | 570 |
| 10x1.5/2.5 | re | 0.7 | 1.8 | 12.1 | 18.7 | 510 |
| 10x2.5/4 | re | 0.7 | 1.8 | 7.41 | 20.3 | 650 |
| 12x1.5/2.5 | re | 0.7 | 1.8 | 12.1 | 19.2 | 695 |
| 12x2.5/4 | re | 0.7 | 1.8 | 7.41 | 20.7 | 703 |
| 14x1.5/2.5 | re | 0.7 | 1.8 | 12.1 | 19.8 | 590 |
| 14x2.5/6 | re | 0.7 | 1.8 | 7.41 | 21.7 | 760 |
| 16x1.5/4 | re | 0.7 | 1.8 | 12.1 | 20.7 | 630 |
| 16x2.5/6 | re | 0.7 | 1.8 | 7.41 | 22.8 | 830 |
| 19x1.5/4 | re | 0.7 | 1.8 | 12.1 | 21.7 | 716 |
| 19x2.5/6 | re | 0.7 | 1.8 | 7.41 | 23.7 | 940 |



ELECTROPLAST

conductorii și cabluri electrice



Cablu de energie cu izolatie si manta de PVC

PVC – insulated and sheathed power cable

Standard de fabricatie: ST 134

Tensiune nominala U₀/U : 0.45/0.75 kV

Tensiune de incercare : 2.5 kV ca, 5 min

Temperatura minima de instalare pe cablu: -5°C

Temperatura maxima de lucru : 70°C

Temperatura maxima de scurt-circuit : 160°C

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere si instalatii electrice.

Cablurile pot fi pozate in spatii inchise si deschise, in pamant ,in canale ,in beton ,in apa

Conductor de cupru

Conductor unifilar (re), conductor multifilar (rm)
conf SR EN 60228

Izolatie

PVC tip YI1

Manta

PVC tip YM1 negru

Aceste cabluri sunt cu intarziere la propagarea flacarilor ; incercare conf SR EN 332-1-2

Marcaj pe manta

SC ELECTROPLAST SA , simbol cablu , tensiune de lucru, an de fabricatie.

Raza minima de curbura la instalare

15x diametrul cablului-cablu monofilar

12x diametrul cablului-cablu multifilar

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

1 conductor - albastru, sau galben-verde

2 conductoare-albastru, maro

- galben-verde ,negru, pt sect >10mm²

3 conductoare-maro, negru, gri

- galben-verde, albastru, maro

4 conductoare-albastru, maro, negru, gri

- galben-verde, maro, negru, gri

5 conductoare-albastru, maro, negru, gri, negru

- galben-verde, albastru, maro, negru, gri

Mai mult de 5 conductoare-

- conductoare negre numerotate

- galben-verde, conductoare numerotate

Standard: ST 134

Rated voltage U₀/U : 0.45/0.75 kV

Test voltage : 2.5 kV ca, 5 min

The minim temperature of de cable during installation : -5°C

Max. permissible operating temperature : 70°C

Max. short-circuit temperature : 160°C

Applicability :

Power supply to power stations.

The cables can be installed in open or confined areas, underground, in sewers, in concrete, under water

Copper conductor

Monowire (ru), multiwire (rm)

According to SR EN 60228

Insulation

PVC type YI1

Sheath

PVC type YM1 black

The cables are flame retardant ; test according to SR EN 332-1-2

Sheath marking

SC ELECTROPLAST SA , cable symbol , operational voltage, year of manufacture.

Min. bending radius at installation :

15 x cable diameter – single-core cable

12 x cable diameter – multicore cable

Max. tensile strain during installation :

Max 50 N/mm²

Color coding :

1 conductor-blue or yellow-green

2 conductors- blue, brown

- yellow-green, black for sect >10 mm²

3 conductors- brown, black, grey

- yellow-green, blue, brown

4 conductors- blue, brown, black, grey

- yellow-green, brown, black, grey

5 conductors- blue, brown, black, grey, black

- yellow-green, blue, brown, black, grey

More than 5 conductors-

- numbered black conductors

- yellow-green and numbered conductors



ELECTROPLAST

conductori și cabluri electrice



Cablu de energie cu izolatie si manta de PVC

PVC – insulated and sheathed power cable

| Tipo dimensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatie <i>Radial thickness of insulation</i> mm | Grosime radiala manta <i>Radial thickness of sheath</i> mm | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km | Diametru exterior inf <i>Auter diameter inf</i> mm | Masa inf <i>Mass inf</i> kg/km |
|---|--|--|---|--|---|---|
| 2x1.5 | re | 0.7 | 0.8 | 12.1 | 7.3 | 94 |
| 2x2.5 | re | 0.7 | 0.8 | 7.41 | 8.1 | 125 |
| 2x4 | re | 0.7 | 0.9 | 4.61 | 9.2 | 173 |
| 2x6 | re | 1.0 | 1.0 | 3.08 | 10.8 | 243 |
| 2x10 | re | 1.0 | 1.3 | 1.83 | 13.4 | 380 |
| 2x16 | re | 1.0 | 1.3 | 1.15 | 15.2 | 540 |
| 3x1.5 | re | 0.7 | 0.8 | 12.1 | 7.7 | 110 |
| 3x2.5 | re | 0.7 | 0.8 | 7.41 | 8.6 | 150 |
| 3x4 | re | 0.7 | 0.9 | 4.61 | 9.8 | 213 |
| 3x6 | re | 0.8 | 1.0 | 3.08 | 11.5 | 300 |
| 3x10 | re | 0.9 | 1.4 | 1.83 | 14.4 | 493 |
| 3x16 | re | 0.9 | 1.4 | 1.15 | 16.4 | 700 |
| 4x1.5 | re | 0.7 | 0.8 | 12.1 | 8.5 | 135 |
| 4x2.5 | re | 0.7 | 0.8 | 7.41 | 9.4 | 189 |
| 4x4 | re | 0.7 | 1.0 | 4.61 | 10.9 | 272 |
| 4x6 | re | 0.8 | 1.1 | 3.08 | 12.8 | 380 |
| 4x10 | re | 0.9 | 1.5 | 1.83 | 15.8 | 611 |
| 4x16 | re | 0.9 | 1.6 | 1.15 | 18.2 | 895 |
| 5x1.5 | re | 0.7 | 0.8 | 12.1 | 9.2 | 170 |
| 5x2.5 | re | 0.7 | 0.8 | 7.41 | 10.3 | 231 |
| 5x4 | re | 0.7 | 1.2 | 4.61 | 12.3 | 345 |
| 5x6 | re | 0.8 | 1.2 | 3.08 | 14.0 | 475 |
| 5x10 | re | 0.9 | 1.5 | 1.83 | 17.5 | 760 |
| 5x16 | re | 0.9 | 1.6 | 1.15 | 19.9 | 1075 |
| 7x1.5 | re | 0.7 | 0.9 | 12.1 | 10.1 | 206 |
| 7x2.5 | re | 0.7 | 0.9 | 7.41 | 11.3 | 292 |
| 12x1.5 | re | 0.7 | 1.1 | 12.1 | 13.6 | 360 |
| 12x2.5 | re | 0.7 | 1.1 | 7.41 | 15.3 | 520 |
| 19x1.5 | re | 0.7 | 1.1 | 12.1 | 16.0 | 515 |
| 19x2.5 | re | 0.7 | 1.2 | 7.41 | 18.2 | 770 |
| 24x1.5 | re | 0.7 | 1.2 | 12.1 | 18.9 | 715 |
| 24x2.5 | re | 0.7 | 1.2 | 7.41 | 21.4 | 1011 |
| 37x1.5 | re | 0.7 | 1.2 | 12.1 | 21.7 | 1004 |
| 37x2.5 | re | 0.7 | 1.2 | 7.41 | 24.5 | 1450 |
| 48x1.5 | re | 0.7 | 1.2 | 12.1 | 24.8 | 1313 |
| 48x2.5 | re | 0.7 | 1.2 | 7.41 | 28.2 | 1890 |





Cablu cu izolatie si manta de PVC

PVC-insulated and sheathed cable

Standard de fabricatie: VDE 0250/204

Tensiune nominala U_o/U : 0.3/0.5 kV

Domeniul de utilizare

Pentru conectarea la retea a aparaturii industriale

Conductor de cupru

Conductor rotund unifilar (re) sau rotund multifilar (rm);SR EN 60228

Izolatie

PVC tip YI1

Manta

PVC tip YM1 gri

Cablurile sunt cu intarziere I a propagarea flacarii ,incercare conf SR CEI 332-1.

Marcaj pe manta

SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, an de fabricatie.

Raza minima de curbura la instalare

12xdiametrul cablului-cablu multifilar

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

2 conductoare-negru,albastru

3 conductoare-negru,albastru ,maro

-galben/verde,negru,albastru

4 conductoare-negru,albastru,moro,negru

-galben/verde,negru,albastru,maro

5 conductoare-negru,albastru,maro,negru,negru

-galben/verde,negru,albastru,maro,negru

Mai mult de 5 conductoare-

-conductoare negre numerotate

- galben/verde,conductoare numerotate

Standard: VDE 0250/204

Rated voltage U_o/U : 0.3/0.5 kV

Applications

Power supply from the public network to industrial equipment

Copper conductor

Round monowire (re) sau round multiwire (rm);SR EN 60228

Insulation

PVC type YI1

Sheath

PVC type YM1 gray

The cables are flame retardant , test according to SR CEI 332-1.

Sheath marking

SC ELECTROPLAST SA , cable symbol , operational voltage, year of manufacture

Min. bending radius at installation

12 x cable diameter – multiwire cable

Max. tensile strain during installation :

50 N/mm²

Color coding

2 conductors-black, blue

3 conductors-black, blue, brown

-yellow/green, black, blue

4 conductors-black, blue, brown, black

- yellow/green, black,blue, brown

5 conductors-black / blue / brown / black / black

- yellow/green /black/blue/brown/black

More than 5 conductors-

-numbered black conductors

-yellow-green and numbered conductors





Cablu cu izolatie si manta de PVC

PVC-insulated and sheathed cable

| Tipodimensiune cablu Cable size | Tip conductor Cond. type | Grosime radiala izolatie Radial insulation thickness mm | Grosime radiala manta interioara Inner sheath radial thickness mm | Grosime radiala manta exterioara Radial thickness of outer sheath mm | Rezistenta electrica max, la 20°C Max. resistance at 20°C Ω/km | Diametru exterior nominal Nominal outer diameter mm | Masa inf Mass inf kg/km |
|------------------------------------|-----------------------------|---|---|--|--|---|-------------------------------|
| 2x1.5 | re | 0.6 | 0.4 | 1.4 | 12.1 | 8.8 | 120 |
| 2x2.5 | re | 0.7 | 0.4 | 1.4 | 7.41 | 10.0 | 164 |
| 2x4 | re | 0.8 | 0.4 | 1.4 | 4.61 | 11.3 | 224 |
| 2x6 | re | 0.8 | 0.4 | 1.4 | 3.08 | 11.8 | 268 |
| 2x10 | re | 1.0 | 0.6 | 1.6 | 1.83 | 15.5 | 463 |
| 2x16 | rm | 1.0 | 0.6 | 1.6 | 1.15 | 19.0 | 694 |
| 2x25 | rm | 1.2 | 0.8 | 1.6 | 0.727 | 22.4 | 1038 |
| 2x35 | rm | 1.2 | 1.0 | 1.8 | 0.524 | 25.6 | 1381 |
| 3x1.5 | re | 0.6 | 0.4 | 1.4 | 12.1 | 9.2 | 140 |
| 3x2.5 | re | 0.7 | 0.4 | 1.4 | 7.41 | 10.5 | 195 |
| 3x4 | re | 0.8 | 0.4 | 1.4 | 4.61 | 11.9 | 270 |
| 3x6 | re | 0.8 | 0.4 | 1.6 | 3.08 | 12.9 | 344 |
| 3x10 | re | 1.0 | 0.6 | 1.6 | 1.83 | 16.4 | 570 |
| 3x16 | rm | 1.0 | 0.8 | 1.6 | 1.15 | 20.2 | 857 |
| 3x25 | rm | 1.2 | 0.8 | 1.8 | 0.727 | 24.2 | 1316 |
| 3x35 | rm | 1.2 | 1.0 | 1.8 | 0.524 | 27.2 | 1726 |
| 4x1.5 | re | 0.6 | 0.4 | 1.4 | 12.1 | 9.8 | 167 |
| 4x2.5 | re | 0.7 | 0.4 | 1.4 | 7.41 | 11.3 | 236 |
| 4x4 | re | 0.8 | 0.4 | 1.6 | 4.61 | 13.3 | 343 |
| 4x6 | re | 0.8 | 0.6 | 1.6 | 3.08 | 14.0 | 427 |
| 4x10 | re | 1.0 | 0.6 | 1.6 | 1.83 | 17.9 | 707 |
| 4x16 | rm | 1.0 | 0.8 | 1.6 | 1.15 | 21.9 | 1092 |
| 4x25 | rm | 1.2 | 1.0 | 1.8 | 0.727 | 26.8 | 1673 |
| 4x35 | rm | 1.2 | 1.0 | 1.8 | 0.524 | 29.7 | 2161 |
| 5x1.5 | re | 0.6 | 0.4 | 1.4 | 12.1 | 10.6 | 197 |
| 5x2.5 | re | 0.7 | 0.4 | 1.4 | 7.41 | 12.2 | 281 |
| 5x4 | re | 0.8 | 0.6 | 1.6 | 4.61 | 14.8 | 428 |
| 5x6 | re | 0.8 | 0.6 | 1.6 | 3.08 | 16.2 | 557 |
| 5x10 | re | 1.0 | 0.6 | 1.6 | 1.83 | 19.4 | 857 |
| 5x16 | rm | 1.0 | 0.8 | 1.8 | 1.15 | 24.4 | 1354 |
| 5x25 | rm | 1.2 | 1.0 | 1.8 | 0.727 | 29.4 | 2042 |
| 5x35 | rm | 1.2 | 1.2 | 1.8 | 0.524 | 33.0 | 2685 |
| 7x1.5 | ru | 0.6 | 0.4 | 1.4 | 12.1 | 11.3 | 240 |
| 7x2.5 | ru | 0.7 | 0.4 | 1.6 | 7.41 | 13.5 | 360 |



**Cablu de energie cu izolatie de PVC, conductor concentric din cupru si manta de PVC****PVC-insulated and sheathed cable****Standard de fabricatie:** ST 126; IEC 502**Standard:** ST 126; IEC 502**Tensiune nominala U_o/U :** 0.6/1 kV**Rated voltage U_o/U :** 0.6/1 kV**Domeniul de utilizare**

Cablurile sunt utilizate pentru realizarea de bransamente monofazate pentru tensiuni U_o/U 0.6/1 kV

Applicability :

Monophase connections for U_o/U voltages of 0.6/1 kV. Installed on poles and attached to building fronts

Cablurile se monteaza pe stalpi si pe fatadele cladirilor
Temperatura cond in functionarea de durata: +70°C
Temperatura cond in scurtcircuit: +70°C
Temperatura minima in timpul pozarii: -5°C
Temperatura minima dupa pozare: -40°C

Conductor temperature in long-run operation: : +70°C
Conductor temperature during short-circuit: : +70°C
Lowest temperature during installation: -5°C
Lowest temperature after installation: -40°C

Conductor din cupru de faza

Conductor multifilar (rm); SR EN 60228

Copper phase conductor

Multewire (rm); SR EN 60228

Izolatie PVC tip Y11**PVC Insulation, Y11****Conductor din cupru de nul**

Conductor multifilar (rm)

Concentric copper screen

Multewire (rm)

Manta de PVC tip M40

Aceste cabluri sunt cu intarziere sau intarziere marita la propagarea flacarilor ; incercare conf SR CEI 332-1

PVC Sheath

The cables are flame retardant or extra flame retardant ; test according to SR CEI 332-1

Marcaj pe manta

SC ELECTROPLAST SA , simbol cablu , tensiune de lucru, an de fabricatie,

Sheath marking

SC ELECTROPLAST SA , cable symbol , operational voltage, year of manufacture.

Raza minima de curbura la instalare

10 x diametrul cablului

Min. bending radius at installation :

10 x cable diameter

Forta maxima de tractiune la pozare

50 N/mm²

Max. tensile strain during installation :

Max 50 N/mm²

Cod de culori

1 conductor izolat : negru sau albastru

Color coding :

1 conductor-black or blue





Cablu de energie cu izolatie de PVC,
conductor concentric din cupru si manta de
PVC

PVC-insulated and sheathed cable

| Tipodi- mensiune cablu <i>Cable size</i> | Construc- tie conductor de faza <i>Construc- tion of phase conductor</i> | Construc- tie conductor de nul <i>Construc- tion of concentric screen</i> | Grosime radiala izolatie, <i>Radial thickness of insulation mm</i> | Grosime radiala manta <i>Radial thickness of sheath mm</i> | Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C Ω/km</i> | | Diametru exterior nominal <i>Nominal outer diameter mm</i> | Masa inf <i>Mass inf kg/km</i> |
|---|--|---|---|---|---|----------------------|---|--|
| | | | | | Faza <i>phase</i> | Nul <i>screen</i> | | |
| 6/6 | 7x1.03 | 15x0.71 | 1.4 | 1.7 | 3.08 | 3.3 | 11.2 | 206 |
| 6/10 | 7x1.03 | 24x0.71 | 1.4 | 1.7 | 3.08 | 1.91 | 11.2 | 312 |
| 10/10 | 7x1.35 | 24x0.71 | 1.5 | 2.0 | 1.83 | 1.91 | 13.0 | 449 |
| 10/16 | 7x1.35 | 16x1.13 | 1.5 | 2.0 | 1.83 | 1.21 | 13.5 | 644 |
| 16/16 | 7x1.7 | 16x1.13 | 1.5 | 2.0 | 1.15 | 1.21 | 14.9 | 239 |
| 16/25 | 7x1.7 | 17x1.38 | 1.5 | 2.0 | 1.15 | 0.78 | 14.9 | 378 |
| 25/25 | 7x2.14 | 17x1.38 | 1.5 | 2.0 | 0.727 | 0.78 | 16.7 | 539 |