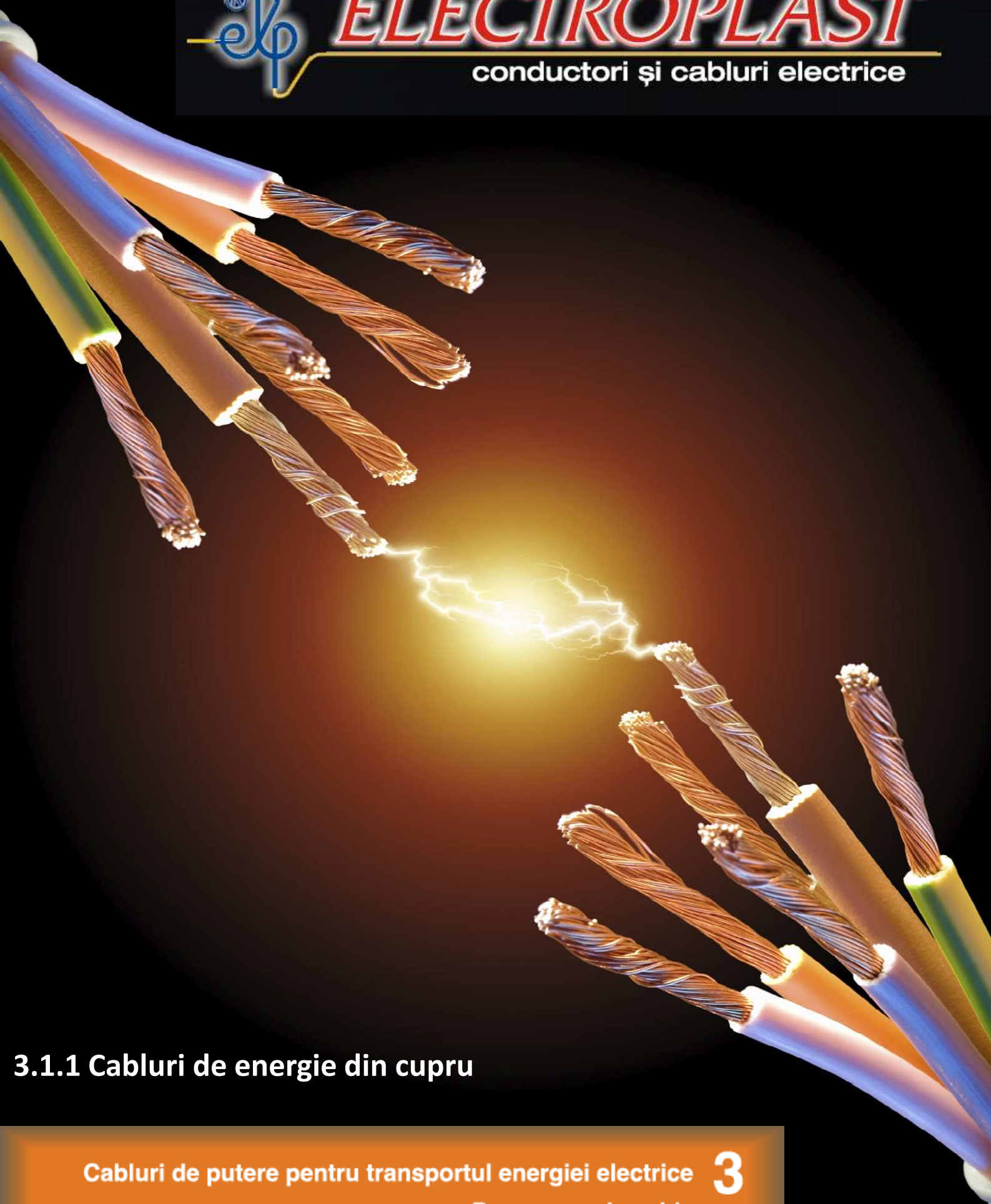




ELECTROPLAST

conductori și cabluri electrice



3.1.1 Cabluri de energie din cupru

Cabluri de putere pentru transportul energiei electrice

Power supply cable

3

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Cablu de energie din cupru cu izolatie si manta de PVC

Standard de fabricatie: SR HD 603 S1/3G-2; IEC 502
Tensiune nominala U_0/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

Izolatie

PVC tip 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

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

PVC – insulated and sheathed power cable

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

Rated voltage U_0/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

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)

Insulation

PVC type DIV 4

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,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


**Cablu de energie din cupru 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 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

CYY (-F) NYY



**Cablu de energie din cupru 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 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 <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
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



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 U_0/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

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

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

Manta interioara: PVC tip DMV 17 negru sau gri

Armatura: Banda laminata la rece nezincata sau zincata de grosime minima 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

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

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

Production Standard: SR HD 603 S1/4C; IEC 502
Rated voltage U_0/U : 0.6/1 kV
Test voltage : 3.5 kV ac or 8.4 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

Applicability :

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

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

Inner sheath: PVC type DMV 17 black or gray

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

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.

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

Min. bending radius at installation:

Min. 12 x cable diameter

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, gray, black
-yellow-green, blue, brown, black,gray
More than 5 conductors – numbered black conductors
- yellow-green and numbered conductors

**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 izolat,ie, 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



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

Steel tape armoured power cable

Tipodi- mensiune cablu <i>Cable size</i>	Tip conduc- tor <i>Type of conduc- tor</i>	Grosime radiala izolatie, <i>Radial thickness of insula-tion</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 U₀/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,marou,negru,gri
-g/v,marou,negru,gri

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

Mai mult de 5 conductoare-conductoare negre numerotate

- v/g si conductoare numerotate

Standard: IEC 502

Rated voltage U₀/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

Aarmor

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



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

Tipodi- mensiune 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

Armored PVC-insulated and sheathed power cable

Standard de fabricatie: SR CEI 60502-2

Tensiune nominala $U_0/U(U_m)$: 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

Production Standard: SR CEI 60502-2

Rated voltage $U_0/U(U_m)$: 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

Aarmor

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

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**

Tipodi- mensiune cablu Cable size	Tip conduc- tor Type of conduc- tor	Grosime radiala izolatie, nom/min Radial thickness of insula-tion mm	Grosime radiala manta interna Radial thickness of inner sheath mm	Grosime radiala nom/min manta exterioara Radial thickness nom/min of outer sheath mm	Rezistenta electrica max,la 20°C Max. resistance at 20 °C Ω/km	Diametru exterior inf Outer diameter Inf mm	Masa Inf Mass, inf 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

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 $U_0/U(U_m)$: 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) 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 $U_0/U(U_m)$: 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) 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,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-

-black numbered conductors

-yellow-green numbered conductors

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**

Tipodi- mensiune 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 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**

Tipodi- mensiune 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 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</i> mm		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

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**

Tipodi- mensiune 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 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</i> mm		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

C2XAbY(-F) ,C2XAbzY(-F)

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

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 flacarilor 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



Power cable with XLPE insulation and PVC sheath , armored

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

conductori 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 Cable size	Tip conduc-tor Cond. type	Nr de fire din conductor No. of wires / conductor	Grosime radiala izolatie Radial insulation thickness mm	Grosime radiala manta Radial sheath thickness mm		Diametru exterior nominal Nominal outer diameter mm	Rezistenta electrica max,la 20°C Max. resistance at 20°C Ω/km	Masa inf Mass inf kg/km
				Int inner	Ext ext			
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

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>	Grosime radiala manta <i>Radial sheath thickness mm</i>		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 kg/km</i>
				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



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 $U_0/U(U_m)$: 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 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 flacarilor conf

SR EN 50266-2-4/cat C

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

Conductivitatea $\leq 100 \mu S.cm^{-1}$

Densitatea fumului ,conf SR EN 50268

* permeabilitatea luminii $\geq (50-70) \%$

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 $U_0/U(U_m)$: 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 -30°C

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

Insulation: XLPE- cross-linkable polyethylene

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: $\leq 100 \mu S.cm^{-1}$

Smoke density according SR EN 50268

Light permeability : $\geq (50-70) \%$

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

conductori 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

Tipodi- mensiune 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 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

C2XH**N2XH**

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

Power cable with XLPE insulation and PVC sheath, halogen free

Tipodi- mensiune 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 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

C2XH**N2XH**

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

Power cable with XLPE insulation and PVC sheath, halogen free

Tipodi- mensiune 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 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



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 $U_0/U(Um)$: 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

Poliolefina 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 $\leq 100 \mu S.cm^{-1}$

Densitatea fumului ,conf SR EN 50268

* permeabilitatea luminii $\geq (50-70) \%$

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-mar,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 $U_0/U(Um)$: 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: $\leq 100 \mu S.cm^{-1}$

Smoke density according SR EN 50268; Light permeability : $\geq (50-70) \%$

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,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-

-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

Tipodi- mensiune 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 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 inf <i>Outer diameter mm</i>	Masa inf <i>Mass inf copper kg/km</i>
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

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
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



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 U_0/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:

Banda poliesterica

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 U_0/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

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:

Polyester tape

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

CYCY (-F)

NYCY



Cablu de energie cu izolatie si manta de PVC

PVC – insulated and sheathed power cable

Tipo dimensiune 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
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

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

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 U_0/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 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

15 x diametrul cablului-cablu monofilar

12 x 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 S1/5G; IEC 502-1

Rated voltage U_0/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,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

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 di- mensiune cablu Cable size	Tip conductor Type of conductor	Grosime radiala izolatii 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
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



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 di- mensiune 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 inf <i>Auter diameter inf</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



Cablu de energie cu izolatie si manta de PVC

PVC – insulated and sheathed power cable

Standard de fabricatie: ST 134

Tensiune nominala U_0/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

Izolatia

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-mar, 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 U_0/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



Cablu de energie cu izolatie si manta de PVC

PVC – insulated and sheathed power cable

Tipo dimensiune 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
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_0/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 flacarilor ,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_0/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

Tipodi- mensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatie <i>Radial insulationth ickness</i> mm	Grosime radiala manta interioara <i>Inner sheath radial thickness</i> mm	Grosime radiala manta exterioara <i>Radial thickness of outer sheath</i> mm	Rezistenta electrica max,la 20°C <i>Max. resistance at 20°C</i> Ω/km	Diametru exterior nominal <i>Nominal outer diameter</i> mm	Masa inf <i>Mass inf</i> 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_0/U : 0.6/1 kV

Rated voltage U_0/U : 0.6/1 kV

Domeniul de utilizare

Cablurile sunt utilizate pentru realizarea de bransamente monofazate pentru tensiuni U_0/U 0.6/1 kV

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

Applicability :

Monophase connections for U_0/U voltages of 0.6/1 kV.
Installed on poles and attached to building fronts

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

Multiwire (rm); SR EN 60228

Izolatie PVC tip Y11

PVC Insulation, Y11

Conductor din cupru de nul

Conductor multifilar (rm)

Concentric copper screen

Multiwire (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 Cable size	Construc- tie conductor de faza Construc- tion of phase conductor	Construc- tie conductor de nul Construc- tion of concentric screen	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 nominal Nominal outer diameter mm	Masa inf Mass inf kg/km
					Faza phase	Nul screen		
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