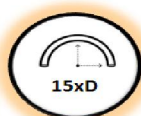
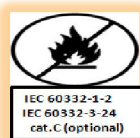
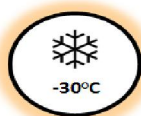
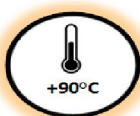
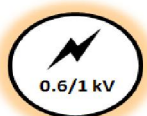


C2XCY, C2XCY-F, N2XCY



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

Power cable with cross-linked polyethylene insulation, concentric conductor and PVC sheath.



Standard de fabricatie: SR HD 603 S1/5G; IEC 60502-1
Tensiune nominala U_0/U : 0.6/1 kV
Tensiune de incercare: 4 kV ca sau 12 kV cc, 5 min

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.

Temperatura maxima de lucru: +90°C
Temperatura maxima de scurt-circuit: +250°C
Temperatura minima a cablului (masurata pe manta):

- la montaj: -5°C
- in exploatare: -33°C

* Cablurile sunt cu rezistenta la UV

Conductor de cupru

Conductor unifilar (re), conductor multifilar (rm) sau sector-multifilar (sm), conf. SR EN 60228

Izolatie: Polietilena reticulata (XLPE)

Invelis intern: PVC

Conductor concentric+ contraspira

Sarme de cupru+ contraspira din banda de Cu

Strat separator

Banda poliesterica

Manta: PVC

C2XCY, N2XCY sunt cu rezistenta la propagarea flacarii; incercare conf. SR EN 60332-1-2

Iar C2XCY-F sunt cabluri cu rezistenta marita la propagarea flacarii, incercare conf. SR EN 60332-3-24/cat.C

Marcaj pe manta

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

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: negru
- 2 conductoare: albastru, maro
- 3 conductoare: maro, negru, gri
- 4 conductoare: albastru, maro, negru, gri
- 5 conductoare: albastru, maro, negru, gri, negru

Mai mult de 5 conductoare:

- conductoare negre numerotate
- g/v, conductoare negre numerotate

Standard: SR HD 603 S1/5G; IEC 60502-1
Rated voltage U_0/U : 0.6/1 kV
Test voltage: 4 kV ac or 12 kV dc, 5 min

Applicability

Power supply to power stations.

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

Max. permissible operating temperature: +90°C
Max. short-circuit temperature: +250°C
Min. cable temperature (masured on the sheath surface)

- during installation: -5°C
- in operation: -33°C

* UV resistant cables

Copper conductor

Solid conductor (re), compacted (rm) or sector-shaped conductor (sm), according to SR EN 60228

Insulation: Crosslinked polyethylene (XLPE)

Inner sheath: PVC

Concentric conductor + counterhelix

Copper wires + copper tape counterhelix

Separating layer

Polyester tape

Sheath: PVC

C2XCY, N2XCY are flame retardant cables; test according to SR EN 60332-1-2

C2XCY-F are extra flame retardant cables, test acc. to SR EN 60332-3-24/ C category.

Sheath marking

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

Min. bending radius at installation

15 x cable diameter – single-core cable

12 x cable diameter – multicore cable

Max. tensile strain during installation

50 N/mm²

Color coding

- 1 conductor: black
- 2 conductors: blue, brown
- 3 conductors: brown, black, grey
- 4 conductors: blue, brown, black, grey
- 5 conductors: blue, brown, black, grey, black

More than 5 conductors:

- numbered black conductors
- yellow-green and numbered black conductors

C2XCY, C2XCY-F, N2XCY



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

Power cable with cross-linked polyethylene insulation, concentric conductor and PVC sheath.

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Type of conductor</i>	Grosime radiala izolatie <i>Insulation's radial thickness</i>	Grosime radiala manta <i>Sheath's radial thickness</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>	Diametru exterior inf <i>Outer diameter inf</i>	Masa inf <i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
1x50/50	rm	1.0	1.5	0.387/0.387	17.8	1022
1x70/70	rm	1.1	1.5	0.268/0.268	20.5	1550
1x95/95	rm	1.1	1.6	0.193/0.193	21.5	1921
1x120/50	rm	1.2	1.7	0.153/0.387	23.4	1747
1x150/70	rm	1.4	1.8	0.124/0.268	25.3	2217
1x240/25	rm	1.7	2.0	0.0754/0.727	30.1	2795
1x300/150	rm	1.8	2.1	0.0601/0.124	34.9	4514
2x1.5/1.5	re	0.7	1.8	12.1/12.1	11.9	189
2x2.5/2.5	re	0.7	1.8	7.41/7.41	13.2	258
2x4/4	re	0.7	1.8	4.61/4.61	13.8	310
2x6/6	re	0.7	1.8	3.08/3.08	15.0	385
2x10/10	re	0.7	1.8	1.83/1.83	17.1	473
2x16/16	re	0.7	1.8	1.15/1.15	19.1	757
2x25/25	rm	0.9	1.8	0.727/0.727	23.3	1146
3x1.5/1.5	re	0.7	1.8	12.1/12.1	12.2	216
3x2.5/2.5	re	0.7	1.8	7.41/7.41	13.0	26.3
3x4/4	re	0.7	1.8	4.61/4.61	14.2	341
3x6/6	re	0.7	1.8	3.08/3.08	15.4	436
3x10/10	re	0.7	1.8	1.83/1.83	17.6	627
3x16/16	re	0.7	1.8	1.15/1.15	19.6	886
3x25/25	rm	0.9	1.8	0.727/0.727	24.1	1445
3x25/16	rm	0.9	1.8	0.727/1.15	23.6	1264
3x35/35	sm	0.9	1.8	0.524/0.524	24.0	1548
3x35/16	sm	0.9	1.8	0.524/1.15	23.5	1377
3x50/25	sm	1.0	1.9	0.387/0.727	28.4	1905
3x70/35	sm	1.1	2.0	0.268/0.524	32.0	2630
3x95/50	sm	1.1	2.1	0.193/0.387	35.4	3503
3x120/70	sm	1.2	2.2	0.153/0.268	39.2	4425
3x150/70	sm	1.4	2.3	0.124/0.268	43.0	5256
4x1.5/1.5	re	0.7	1.8	12.1/12.1	13.1	252
4x2.5/2.5	re	0.7	1.8	7.41/7.41	14.6	334
4x4/4	re	0.7	1.8	4.61/4.61	15.3	406
4x6/6	re	0.7	1.8	3.08/3.08	16.7	525

C2XCY, C2XCY-F, N2XCY



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

Power cable with cross-linked polyethylene insulation, concentric conductor and PVC sheath.

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Type of conductor</i>	Grosime radiala izolatie <i>Insulation's radial thickness</i>	Grosime radiala manta <i>Sheath's radial thickness</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>	Diametru exterior inf <i>Outer diameter inf</i>	Masa inf <i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
4x10/10	re	0.7	1.8	1.83/1.83	19.1	762
4x16/16	re	0.7	1.8	1.15/1.15	21.5	1086
4x25/25	rm	0.9	1.8	0.727/0.727	26.5	1654
4x25/16	rm	0.9	1.8	0.727/1.15	26.0	1572
4x35/16	sm	0.9	1.9	0.524/1.15	25.7	1740
4x50/25	sm	1.0	1.9	0.387/0.727	30.7	2371
4x70/35	sm	1.1	2.1	0.268/0.524	35.4	3344
4x95/50	sm	1.1	2.2	0.193/0.387	38.5	4429
4x120/70	sm	1.7	2.4	0.153/0.268	43.6	5600
5x1.5/1.5	re	0.7	1.8	12.1/12.1	13.8	285
5x2.5/2.5	re	0.7	1.8	7.41/7.41	14.9	356
5x4/4	re	0.7	1.8	4.61/4.61	16.3	471
6x4/4	re	0.7	1.8	4.61/4.61	17.4	550
5x6/6	re	0.7	1.8	3.08/3.08	17.9	613
5x10/10	re	0.7	1.8	1.83/1.83	20.7	898
5x16/16	re	0.7	1.8	1.15/1.15	23.1	1280
5x25/16	rm	0.9	1.9	0.727/1.15	28.5	1895
5x35/16	rm	0.9	2.0	0.524/1.15	31.3	2378
7x1.5/1.5	re	0.7	1.8	12.1/12.1	14.7	330
7x2.5/2.5	re	0.7	1.8	7.41/7.41	15.8	420
9x2.5/2.5	re	0.7	1.8	7.41/7.41	18.7	686
10x1.5/4	re	0.7	1.8	12.1/4.61	17.4	570
10x2.5/4	re	0.7	1.8	7.41/4.61	18.9	730
12x1.5/4	re	0.7	1.8	12.1/4.61	17.8	623
12x2.5/4	re	0.7	1.8	7.41/4.61	19.4	810
14x1.5/4	re	0.7	1.8	12.1/4.61	18.6	691
14x2.5/4	re	0.7	1.8	7.41/3.08	20.2	900
16x2.5/6	re	0.7	1.8	7.41/3.08	21.1	1021
19x1.5/6	re	0.7	1.8	12.1/3.08	20.2	878
24x1.5/16	re	0.7	1.8	12.1/1.15	23.8	1199
19x2.5/6	re	0.7	1.8	7.41/3.08	22.1	1152
24x2.5/10	re	0.7	1.8	7.41/1.83	25.2	1496
24x2.5/6	re	0.7	1.8	7.41/3.08	25.2	1471

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