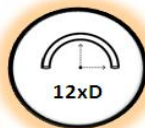
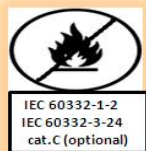
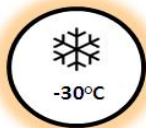




Cablu de energie, ecranat, armat, cu izolatie de polietilena reticulata si manta de PVC

Screened – armored power cable with XLPE insulation and PVC sheath



Standard de fabricatie: SR CEI 60502-1
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.

Temperatura max. a conductorului 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: -30°C

* Cablurile sunt cu rezistenta la UV

Conductor de cupru

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

Izolatie: polietilena reticulata (XLPE)

Invelis intern: Extrudat sau din benzi

Ecran: banda de cupru 0.1 mm

Manta interioara: PVC

Armatura

Banda de otel laminata la rece nezincata sau zincata

Manta exterioara: PVC

Cablurile C2XEAb(z)Y sunt cu rezistenta la propagarea flacarii; incercare conf. SR EN 60332-1-2

Iar C2XEAb(z)Y-F, sunt 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, marcare metraj.

Raza minima de curbura la instalare

12 x diametrul cablului

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

- 1 conductor - negru 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 negre numerotate.

Standard: SR CEI 60502-1
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.

Maximum conductor temperature in long-run operation: +90°C

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

Min. cable temperature (measured on the sheath surface):

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

* UV resistant cables

Copper conductor

Monowire (re) or multiwire conductor (rm, sm)

Insulation: cross-linkable polyethylene (XLPE)

Inner covering: Extruded or tapes

Screen Copper tape 0.1 mm

Inner sheath: PVC

Armor

Blank or zinc-plated cold-rolled steel tape

Sheath: PVC

C2XEAb(z)Y, are flame retardant cables; test according to SR EN 60332-1-2

C2XEAb(z)Y-F, are extra flame retardant cables, test according 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

12 x cable diameter

Max. tensile strain at installation

50 N/mm²

Color coding

- 1 conductor -black 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 conductors, white numbered
- yellow-green, black numbered conductors

C2XEAb(z)Y , C2XEAb(z)Y-F



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

Screened – armored power cable with XLPE insulation and PVC sheath

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</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
2x1.5	re	0.7	1.8	12.8	12.1	185
2x2.5	re	0.7	1.8	13.6	7.41	217
2x4	re	0.7	1.8	14.7	4.61	260
2x6	re	0.7	1.8	15.7	3.08	312
2x10	re	0.7	1.8	18.6	1.83	435
2x16	re	0.7	1.8	20.8	1.15	574
2x25	rm	0.9	1.8	24.2	0.727	822
2x35	rm	0.9	1.8	26.6	0.524	1037
3x1.5	re	0.7	1.8	13.2	0.387	209
3x2.5	re	0.7	1.8	14.1	7.41	252
3x4	re	0.7	1.8	15.3	4.61	310
3x6	re	0.7	1.8	16.4	3.08	382
3x10	re	0.7	1.8	19.5	1.83	547
3x16	re	0.7	1.8	21.8	1.15	744
3x25	rm	0.9	1.8	25.5	0.727	1091
3x25+16	rm;re	0.9;0.7	1.8	26.6	0.727;1.15	1269
3x35	rm	0.9	1.9	28.3	0.524	1400
3x35+16	rm;re	0.9;0.7	1.8	28.8	0.524;1.15	1598
3x50+25	sm;rm	1.0 ; 0.9	1.8	27.6	0.387;0.727	2173
3x70+35	sm;rm	1.1 ; 0.9	1.9	30.6	0.268;0.524	2896
3x95+50	sm;sm	1.1; 1.0	2.1	34.6	0.193;0.387	3859
3x120+70	sm;sm	1.2 ; 1.1	2.2	40.1	0.153;0.268	5129
3x150+70	sm;sm	1.4 ; 1.1	2.3	42.9	0.124;0.268	6008
3x185+95	sm;sm	1.6 ; 1.1	2.5	47.3	0.0991;0.193	7224
3x240+120	sm;sm	1.7 ; 1.2	2.8	57.1	0.0754;0.153	9689
4x1.5	re	0.7	1.8	13.9	12.1	238
4x2.5	re	0.7	1.8	14.9	7.41	293
4x4	re	0.7	1.8	16.2	4.61	366
4x6	re	0.7	1.8	17.5	3.08	458
4x10	re	0.7	1.8	20.9	1.83	667
4x16	re	0.7	1.8	23.5	1.15	923
4x25	rm	0.9	1.8	27.6	0.727	1372
4x35	rm	0.9	1.9	30.7	0.524	1784

C2XEAb(z)Y , C2XEAb(z)Y-F



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

Screened – armored power cable with XLPE insulation and PVC sheath

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatii <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
4x50	sm	1.0	1.9	30.2	0.387	2450
4x70	sm	1.1	2.0	33.8	0.268	3298
4x95	sm	1.1	2.2	38.7	0.193	4673
4x120	sm	1.2	2.3	42.5	0.153	5691
4x150	sm	1.4	2.5	46.5	0.124	6860
4x185	sm	1.6	2.6	50.9	0.0991	8486
5x1.5	re	0.7	1.8	14.7	12.1	268
5x2.5	re	0.7	1.8	15.8	7.41	334
5x4	re	0.7	1.8	17.3	4.61	424
5x6	re	0.7	1.8	18.6	3.08	547
5x10	re	0.7	1.8	22.4	1.83	789
5x16	re	0.7	1.8	25.4	1.15	1104
5x25	rm	0.9	1.9	30.1	0.727	1655
5x35	rm	0.9	2.0	33.6	0.524	2192
7x1.5	re	0.7	1.8	15.5	12.1	316
7x2.5	re	0.7	1.8	16.7	7.41	404
8x1.5	re	0.7	1.8	17.2	12.1	350
8x2.5	re	0.7	1.8	18.6	7.41	450
10x1.5	re	0.7	1.8	18.1	12.1	400
10x2.5	re	0.7	1.8	19.7	7.41	550
12x1.5	re	0.7	1.8	18.6	12.1	457
12x2.5	re	0.7	1.8	20.2	7.41	600
14x1.5	re	0.7	1.8	19.3	12.1	503
14x2.5	re	0.7	1.8	21.0	7.41	668
19x1.5	re	0.7	1.8	20.9	12.1	617
19x2.5	re	0.7	1.8	22.9	7.41	835
24x1.5	re	0.7	1.8	23.7	12.1	749
24x2.5	re	0.7	1.8	26.1	7.41	950
30x1.5	re	0.7	1.8	24.8	12.1	900
30x2.5	re	0.7	1.8	27.4	7.41	1250
37x1.5	re	0.7	1.8	26.5	12.1	1000
37x2.5	re	0.7	1.8	29.3	7.41	1450