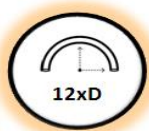
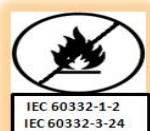
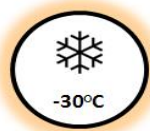
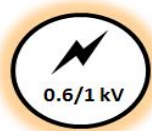




Cablu de energie cu izolatie de polietilena reticulata si si manta de PVC

Flexible power cable with cross-linked polyethylene insulation and PVC sheath



Standard de fabricatie: SR HD 603 S1 ; IEC 60502-1;
Tensiune nominala $U_0/U(U_m)$: 0.6/1(1.2) kV
Tensiunea de incercare: 4 kV, 50 Hz, timp de 5 minute.

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 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 radiatii UV

Conductor de cupru

Conductor multifilar, cl 5 conf. SR EN 60228

Izolatie

Polietilena reticulata (XLPE).

Manta

PVC tip DMV18 sau ST2

Cablurile C2XYF si RV-K sunt cu rezistenta la propagarea flacarii, incercare conf SR EN 60332-1-2

Iar C2XYF-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, marcaj de lungime .

Raza minima de curbura la instalare

5x diametrul cablului

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

- 1 conductor: negru sau galben-verde
- 2 conductoare: galben-verde, negru, pt sect >10mm²
- 3 conductoare: galben-verde, albastru, maro
- 4 conductoare: galben-verde, maro, negru, gri
- 5 conductoare: galben-verde, albastru, maro, negru, gri

Standard: SR HD 603 S1; IEC 60502-1;
Rated voltage $U_0/U(U_m)$: 0.6/1(1.2) kV
Test voltage: 4 kV, 50 Hz, for 5 minute.

Applications :

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

Conductor temperature in long-run operation: +90°C

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

Min. cable temperature (measured on sheath surface)

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

* UV resistant cables

Copper conductor

Flexible conductor, cl.5 according to SR EN 60228.

Insulation

Cross-linked polyethylene (XLPE).

Sheath

PVC type DMV18 or ST2

C2XYF, RV-K are flame retardant cables; test according to SR EN 60332-1-2

C2XYF-F are extra flame retardant cables, test acc. to SR EN 60332-3-24/ cat.C

Sheath marking

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

Min. bending radius at installation

5 x cable diameter

Max. tensile strain at installation :

50 N/mm²

Color coding :

- 1 conductor: black or yellow-green
- 2 conductors: yellow-green, black for sect >10 mm²
- 3 conductors: yellow-green, blue, brown
- 4 conductors: yellow-green, brown, black, grey
- 5 conductors: yellow-green, blue, brown, black, grey

C2XYF, C2XYF-F, RV-K



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

Flexible power cable with cross-linked polyethylene insulation and PVC sheath

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatie <i>Radial insulation thickness</i>	Grosime radiala Manta <i>Radial sheath 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
1x1.5	Cl 5	0.7	1.4	13.3	5.7	46
1x2.5	Cl 5	0.7	1.4	7.98	6.1	58
1x4	Cl 5	0.7	1.4	4.95	6.7	75
1x6	Cl 5	0.7	1.4	3.30	7.3	97
1x10	Cl 5	0.7	1.4	1.91	8.6	142
1x16	Cl 5	0.7	1.4	1.21	9.8	205
1x25	Cl 5	0.9	1.4	0.780	11.6	298
1x35	Cl 5	0.9	1.4	0.554	13.0	403
1x50	Cl 5	1.0	1.4	0.386	14.9	551
1x70	Cl 5	1.1	1.4	0.272	17.3	771
1x95	Cl 5	1.1	1.5	0.206	19.9	1016
1x120	Cl 5	1.2	1.5	0.161	21.2	1216
1x150	Cl 5	1.4	1.6	0.129	24.0	1500
1x185	Cl 5	1.6	1.6	0.106	25.9	1815
1x240	Cl 5	1.7	1.7	0.0801	29.0	2346
1x300	Cl 5	1.8	1.8	0.0641	32.1	2914
1x400	Cl 5	2.2	2.0	0.0486	39.4	4109
2x1.5	Cl 5	0.7	1.8	13.3	9.6	130
2x2.5	Cl 5	0.7	1.8	7.98	10.4	162
2x4	Cl 5	0.7	1.8	4.95	11.8	215
2x6	Cl 5	0.7	1.8	3.30	12.8	275
2x10	Cl 5	0.7	1.8	1.91	15.4	413
2x16	Cl 5	0.7	1.8	1.21	18.8	634
2x25	Cl 5	0.9	1.8	0.780	21.4	870
2x35	Cl 5	0.9	1.8	0.554	24.2	1162
2x50	Cl 5	1.0	1.9	0.386	28.6	2192
3x1.5	Cl 5	0.7	1.8	13.3	9.9	143
3x2.5	Cl 5	0.7	1.8	7.98	10.7	185
3x4	Cl 5	0.7	1.8	4.95	12.0	243
3x6	Cl 5	0.7	1.8	3.30	13.3	316
3x10	Cl 5	0.7	1.8	1.91	16.0	479
3x16	Cl 5	0.7	1.8	1.21	18.5	696
3x25	Cl 5	0.9	1.8	0.780	22.3	1042
3x35	Cl 5	0.9	1.8	0.554	25.2	1405
3x50	Cl 5	1.0	1.9	0.386	30.1	2006

C2XYF, C2XYF-F, RV-K



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

Flexible power cable with cross-linked polyethylene insulation and PVC sheath

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatii <i>Radial insulation thickness</i>	Grosime radiala Manta <i>Radial sheath 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
3x70	Cl 5	1.1	2.1	0.272	35.2	2811
3x95	Cl 5	1.1	2.2	0.206	40.5	3695
3x120	Cl 5	1.2	2.4	0.161	43.7	4467
4x1.5	Cl 5	0.7	1.8	13.3	10.8	173
4x2.5	Cl 5	0.7	1.8	7.98	11.8	228
4x4	Cl 5	0.7	1.8	4.95	13.2	305
4x6	Cl 5	0.7	1.8	3.30	14.7	400
4x10	Cl 5	0.7	1.8	1.91	17.8	620
4x16	Cl 5	0.7	1.8	1.21	20.7	900
4x25	Cl 5	0.9	1.8	0.780	25.1	1349
4x35	Cl 5	0.9	1.9	0.554	28.7	1842
4x50	Cl 5	1.0	2.0	0.386	33.7	2578
4x70	Cl 5	1.1	2.2	0.272	39.4	3616
4x95	Cl 5	1.1	2.4	0.206	46.5	4810
4x120	Cl 5	1.2	2.6	0.161	49.2	5790
4x150	Cl 5	1.4	2.8	0.129	55.9	7247
4x185	Cl 5	1.6	2.9	0.106	60.2	8700
3x25+16	Cl 5	0.9;0.7	1.8	0.780;1.21	24.0	1245
3x35+16	Cl 5	0.9;0.7	1.8	0.554;1.21	25.6	1683
3x50+25	Cl 5	1.0;0.9	2.0	0.386;0.780	31.7	2322
3x70+35	Cl 5	1.1;0.9	2.1	0.272;0.554	36.5	3126
3x95+50	Cl 5	1.1;1.0	2.3	0.206;0.386	42.6	4190
3x120+70	Cl 5	1.2;1.0	2.5	0.161;0.272	46.7	5213
5x1.5	Cl 5	0.7	1.8	13.3	11.6	204
5x2.5	Cl 5	0.7	1.8	7.98	12.7	274
5x4	Cl 5	0.7	1.8	4.95	14.3	366
5x6	Cl 5	0.7	1.8	3.30	16.0	485
5x10	Cl 5	0.7	1.8	1.91	19.5	761
5x16	Cl 5	0.7	1.8	1.21	22.7	1110
5x25	Cl 5	0.9	1.8	0.780	27.6	1684
5x35	Cl 5	0.9	2.0	0.554	31.7	2307
5x50	Cl 5	1.0	2.2	0.387	37.5	3243
5x70	Cl 5	1.1	2.4	0.268	43.8	4511
5x95	Cl 5	1.1	2.5	0.193	50.5	5951
5x120	Cl 5	1.2	2.7	0.161	54.4	7197

C2XYF, C2XYF-F, RV-K



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

Flexible power cable with cross-linked polyethylene 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	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km	Diametru Exterior inf <i>Outer diameter inf</i> mm	Masa inf <i>Mass inf</i> kg/km
4x25+16	Cl 5	0.9/0.7	1.8	0.780/1.21	27.6	1609
4x35+16	Cl 5	0.9/0.7	2.0	0.554/1.21	31.7	2176
4x50+25	Cl 5	1.0/0.9	2.2	0.387/0.78	37.5	3105
4x70+35	Cl 5	1.1/0.9	2.4	0.268/0.554	43.8	4349
4x95+50	Cl 5	1.1/1.0	2.5	0.193/0.387	50.5	5720
4x120+70	Cl 5	1.2/1.1	2.7	0.161/0.554	54.4	6965