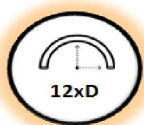
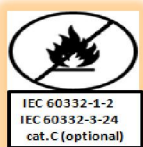
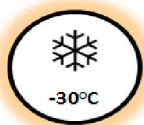
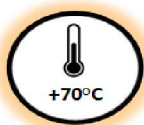
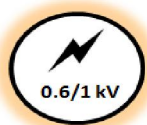


C2XYF, RV-K, C2XYF-F



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 $U_0/U(Um)$: 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

Izolatia

Polietilena reticulata (XLPE).

Manta

PVC

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

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 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 $U_0/U(Um)$: 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

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

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: 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, RV-K, C2XYF-F



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>	Diam max al sarmei de Cu <i>The maximum diameter of the wire</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		Masa inf <i>Mass inf</i>
						<i>Outer diameter</i>		
						mm	mm	
		mm	mm	mm	Ω/km	min	max	kg/km
1x1.5	Cl 5	0.25	0.7	1.4	13.3	5.7	6.3	59
1x2.5	Cl 5	0.25	0.7	1.4	7.98	6.2	6.8	62
1x4	Cl 5	0.3	0.7	1.4	4.95	6.7	7.7	79
1x6	Cl 5	0.3	0.7	1.4	3.30	7.3	8.0	100
1x10	Cl 5	0.3	0.7	1.4	1.91	7.7	8.5	149
1x16	Cl 5	0.4	0.7	1.4	1.21	9.9	11.9	213
1x25	Cl 5	0.4	0.9	1.4	0.780	11.7	12.9	320
1x35	Cl 5	0.4	0.9	1.4	0.554	13.1	14.4	421
1x50	Cl 5	0.4	1.0	1.4	0.386	15.1	16.6	557
1x70	Cl 5	0.5	1.1	1.4	0.272	17.5	19.3	803
1x95	Cl 5	0.5	1.1	1.5	0.206	19.7	21.7	1045
1x120	Cl 5	0.5	1.2	1.5	0.161	21.4	23.5	1301
1x150	Cl 5	0.5	1.4	1.6	0.129	24.6	27.1	1660
1x185	Cl 5	0.5	1.6	1.6	0.106	26.6	29.3	2016
1x240	Cl 5	0.5	1.7	1.7	0.0801	30.0	33.0	2558
1x300	Cl 5	0.5	1.8	1.8	0.0641	32.6	35.9	3121
1x400	Cl 5	0.5	2.2	2.0	0.0486	39.4	43.3	4287
2x1.5	Cl 5	0.25	0.7	1.8	13.3	9.6	10.6	137
2x2.5	Cl 5	0.25	0.7	1.8	7.98	10.6	11.7	176
2x4	Cl 5	0.3	0.7	1.8	4.95	11.6	12.8	225
2x6	Cl 5	0.3	0.7	1.8	3.30	13.0	14.3	293
2x10	Cl 5	0.4	0.7	1.8	1.91	15.8	17.4	445
2x16	Cl 5	0.4	0.7	1.8	1.21	18.4	20.2	642
2x25	Cl 5	0.4	0.9	1.8	0.780	22.0	24.3	953
2x35	Cl 5	0.4	0.9	1.8	0.554	25.0	27.5	1262
3x1.5	Cl 5	0.25	0.7	1.8	13.3	10.1	11.6	155
3x2.5	Cl 5	0.25	0.7	1.8	7.98	11.1	12.2	203
3x4	Cl 5	0.3	0.7	1.8	4.95	12.2	13.4	264
3x6	Cl 5	0.3	0.7	1.8	3.30	13.7	15.1	349
3x10	Cl 5	0.4	0.7	1.8	1.91	15.9	17.5	529
3x16	Cl 5	0.4	0.7	1.8	1.21	19.4	21.3	776
3x25	Cl 5	0.4	0.9	1.8	0.780	23.2	25.3	1165

C2XYF, RV-K, C2XYF-F



Cablu de energie cu izolare 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>	Diam max al sarmei de Cu <i>The maximum diameter of the wire</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		Masa inf <i>Mass inf</i>
						<i>Outer diameter</i>		
						mm		
		mm	mm	mm	Ω/km	min	max	kg/km
3x35	Cl 5	0.4	0.9	1.8	0.554	23.2	25.5	1046
3x50	Cl 5	0.4	1.0	1.9	0.386	30.1	34.6	2050
3x70	Cl 5	0.5	1.1	2.1	0.272	35.2	40.5	2890
3x95	Cl 5	0.5	1.1	2.2	0.206	39.5	45.4	3750
3x120	Cl 5	0.5	1.2	2.4	0.161	43.7	50.3	4600
4x1.5	Cl 5	0.25	0.7	1.8	13.3	10.8	11.9	183
4x2.5	Cl 5	0.25	0.7	1.8	7.98	12.0	13.2	243
4x4	Cl 5	0.3	0.7	1.8	4.95	13.2	14.5	320
4x6	Cl 5	0.3	0.7	1.8	3.30	14.9	17.4	425
4x10	Cl 5	0.4	0.7	1.8	1.91	18.3	21.0	658
4x16	Cl 5	0.4	0.7	1.8	1.21	21.4	23.5	974
4x25	Cl 5	0.4	0.9	1.8	0.780	25.7	28.3	1473
3x25+16	Cl 5	0.4	0.9;0.7	1.8	0.780;1.21	24.6	27.1	1346
4x35	Cl 5	0.4	0.9	1.9	0.554	29.3	33.2	1970
3x35+16	Cl 5	0.4	0.9;0.7	1.8	0.554;1.21	27.2	29.9	1780
3x50+25	Cl 5	0.4	1.0;0.9	2.0	0.386;0.780	33.4	36.7	2500
3x70+35	Cl 5	0.5;0.4	1.1;0.9	2.1	0.272;0.554	37.2	40.9	3311
3x95+50	Cl 5	0.5;0.4	1.1;1.0	2.3	0.206;0.386	42.6	46.9	3950
3x120+70	Cl 5	0.5	1.2;1.0	2.5	0.161;0.272	47.4	52.1	5615
3x150+70	Cl 5	0.5	1.2;1.1	2.6	0.129;0.272	53.1	58.4	6700
5x1.5	Cl 5	0.25	0.7	1.8	13.3	11.6	12.9	216
5x2.5	Cl 5	0.25	0.7	1.8	7.98	13.0	14.3	289
5x4	Cl 5	0.3	0.7	1.8	4.95	14.3	15.7	385
5x6	Cl 5	0.3	0.7	1.8	3.30	16.2	17.8	515
5x10	Cl 5	0.4	0.7	1.8	1.91	19.9	21.9	796
5x16	Cl 5	0.4	0.7	1.8	1.21	23.4	25.7	1184
5x25	Cl 5	0.4	0.9	1.8	0.780	27.6	31.0	1700
5x35	Cl 5	0.4	0.9	2.0	0.554	31.7	36.5	2350
5x50	Cl 5	0.4	1.0	2.2	0.387	37.5	43.1	3300
5x70	Cl 5	0.5	1.1	2.4	0.268	43.8	50.4	4650
5x95	Cl 5	0.5	1.1	2.5	0.193	49.1	56.5	6000