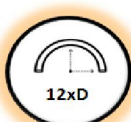
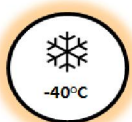
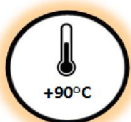
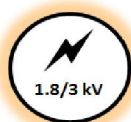


C2XS(F)2Y 1.8/3KV



Cablu de energie cu izolatie din polietilena reticulata , ecran si sarme de Cu , cu bariera longitudinala la patrunderea apei si manta de politilena termoplastica

XLPE-insulated power cable with copper wire screen, longitudinal water barrier tape and thermoplastic sheath



Standard de fabricatie: SR CEI 60502-1

Tensiune nominala $U_0/U(U_m)$: 1.8/3 (3.6) kV
Tensiune de incercare: 6.5 kV c.a, 5 min

Domeniul de utilizare

Cablurile sunt utilizate pentru domeniul tractiunii electrice:
La alimentarea cu curent continuu (1000 V) a liniilor de troleibus, tramvai sau metrou, in instalatii electrice fixe.
Cablurile au rezistenta la socuri mecanice in timpul pozarii si dupa.

Temperatura maxima de lucru: +90°C

Temperatura maxima de scurt-circuit (max 5 sec): +250°C

Temperatura minima a cablului (masurata pe manta)

- la montaj: -5°C
- in exploatare: -40°C

Conductor de cupru

Conductor multifilar (rm), cl.2 conf. SR EN 60228.

Izolatie

Polietilena reticulata (XLPE).

* Banda semiconductoare cu bariera la propagarea apei

Ecran de cupru din sarme + contraspira din cupru

* Banda cu bariera la propagarea apei

Manta exterioara

Polietilena termoplastica de medie de densitate ST7

Marcaj pe manta

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

Raza minima de curbura la instalare

Min. 12 x diametrul cablului

Forta maxima de tractiune la pozare

50 N/mm²

Culoare conductor izolat:

- negru

Culoare manta:

- neagra

Standard: SR CEI 60502-1

Rated voltage $U_0/U(U_m)$: 1.8/3 (3.6) kV
Test voltage: 6.5 kV AC, 5 min

Applicability

Supply of DC power (1000 V) to trolleybus, tram and underground railway, fixed wiring installations.
The cables possess mechanical resistance durring laying and after.

Max. permissible operating temperature: +90°C

Max. short-circuit temperature (max. 5 sec.):

+250°C

Minimum cable temperature (measured on the sheath surface)

- during installation: -5°C
- in operation: -40°C

Copper conductor

Compacted conductor (rm), cl.2 acc. to SR EN 60228

Insulation

Crosslinked polyethylene (XLPE).

* Watertight semi-conductive tape

Copper wire screen + copper counterhelix

* Watertight tape

Outer sheath

Thermoplastic medium density PE type ST7.

Sheath marking

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

Min. bending radius at installation

Min. 12 x cable diameter

Max. tensile strain during installation

50 N/mm²

Insulated conductor color

- black

Sheath color

- black

C2XS(F)2Y 1.8/3KV

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XLPE-insulated power cable with copper wire screen, longitudinal water barrier tape and thermoplastic sheath

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie, nom/min	Grosime radiala nom/min manta exterioara	Rezistenta electrica cond max, la 20°C	Rezistenta electrica ecran max, la 20°C	Diametru exterior inf	Masa Inf
<i>Cable size</i>	<i>Type of conductor</i>	<i>Radial thickness of insulation</i>	<i>Radial thickness nom/min of outer sheath</i>	<i>Max. resistance at 20°C</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter Inf</i>	<i>Mass, inf</i>
		mm	mm	Ω/km	Ω/km	mm	kg/km
1x185/25	rm	2.0/1.7	1.9/1.32	0.0991	0.727	29.5	2100
1x240/25	rm	2.0/1.7	1.9/1.32	0.0754	0.727	33.0	2730
1x300/25	rm	2.0/1.7	2.1/1.48	0.0991	0.727	33.0	3180
1x400/35	rm	2.0/1.7	2.2/1.56	0.0470	0.524	39.1	4350
1x500/50	rm	2.2/1.88	2.3/1.64	0.0366	0.387	42.0	5250