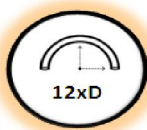
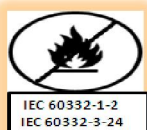
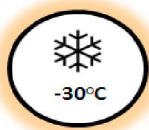
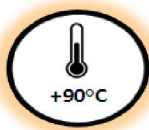
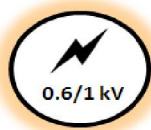


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Cablu de energie, armat, cu izolatie de polietilena reticulata si manta de PVC

Armoured power cable with XLPE insulation and PVC sheath



Standard de fabricatie: SR CEI 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 statiile 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 max. 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 multifilar, cl.5 conf. SR EN 60228

Izolatie: polietilena reticulata (XLPE)

Manta interioara: PVC

Armatura

Banda de otel sau otel zincat laminata la rece de grosime 0.2 mm sau 0.5 mm

Manta exterioara: PVC

Cablurile sunt cu intarziere la propagarea flacarii, incercare conf. SR EN 60332-1-2

Marcaj pe manta

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

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
- 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 $U_0/U(Um)$: 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 .

Max. 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 acc. to SR EN 60228

Insulation: crosslinked polyethylene (XLPE)

Inner sheath: PVC

Armor

Steel tape or zinc-plated, 0.2 or 0.5 mm thickness.

Sheath: PVC

Flame retardant cables; test according to SR EN 60332-1-2

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
- 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:

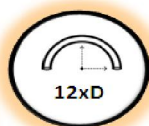
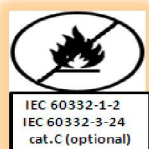
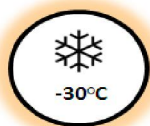
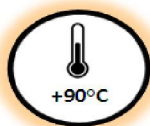
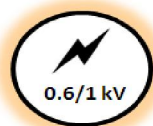
- numbered black conductors
- yellow-green numbered black conductors

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

Armoured 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>	Grosime radiala manta <i>Radial sheath thickness</i>		Diametru exterior nominal <i>Nominal outer diameter</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>	Masa inf <i>Mass inf</i>
			mm	Int <i>inner</i>			
1x35	Cl.5	0.9	1.2	1.4	16.2	0.554	566
1x50	Cl.5	1.0	1.2	1.5	18.5	0.386	763
1x70	Cl.5	1.1	1.2	1.6	20.8	0.272	1012
1x95	Cl.5	1.1	1.2	1.7	23.3	0.206	1279
1x150	Cl.5	1.4	1.2	1.8	27.8	0.129	1850
1x185	Cl.5	1.6	1.2	1.9	29.4	0.106	2250
1x240	Cl.5	1.7	1.2	2.0	32.6	0.0801	2850
3x1.5	Cl.5	0.7	1.2	1.8	13.0	13.3	275
3x2.5	Cl.5	0.7	1.2	1.8	14.1	7.98	334
4x2.5	Cl.5	0.7	1.2	1.8	15.1	7.98	390
4x4	Cl.5	0.7	1.2	1.8	16.4	4.95	480
4x6	Cl.5	0.7	1.2	1.8	17.8	3.30	599
4x10	Cl.5	0.7	1.2	1.8	18.8	1.91	773
4x25	Cl.5	0.9	1.2	1.8	28.7	0.780	1720
4x35	Cl.5	0.9	1.2	2.0	32.4	0.554	2304
4x50	Cl.5	1.0	1.2	2.2	38.6	0.386	3400
4x70	Cl.5	1.1	1.3	2.4	44.2	0.272	4600
4x95	Cl.5	1.1	1.4	2.5	49.2	0.206	5800
5x2.5	Cl.5	0.7	1.2	1.8	16.1	7.98	447
5x4	Cl.5	0.7	1.2	1.8	17.5	4.95	600
5x16	Cl.5	0.7	1.2	1.8	22.6	1.21	1250
5x25	Cl.5	0.9	1.2	2.0	31.4	0.780	2050
5x35	Cl.5	0.9	1.2	2.1	35.5	0.554	2750
5x50	Cl.5	1.0	1.3	2.3	42.3	0.386	4100

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

**Armoured power cable with XLPE insulation
and PVC sheath**
