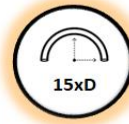
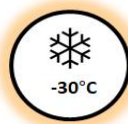




## Cablu de energie cu izolatie de polietilena reticulata (XLPE) si si manta de PVC

## Power cable with XLPE insulation and PVC sheath



**Standard de referinta:** IEC 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, 50 Hz

### 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 cond in functionarea de durata:** +90°C  
**Temperatura max. a cond in scurtcircuit:** +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 aluminiu

Conductor unifilar (re), multifilar (rm), conf. SR EN 60228

### Izolatie

Polietilena reticulata (XLPE), tip DIX 3

### Manta

PVC, tip DMV6

AC2XY sunt cabluri cu intarziere la propagarea flacarii, incercare conf. SR EN 60332-1-2

AC2XY-F sunt cu intarziere 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 lungime.

### Raza minima de curbura la instalare

15 x diametrul cablului

### Forta maxima de tractiune la pozare

30 N/mm<sup>2</sup>

### Cod de culori

- 1 conductor: negru (-O) sau galben-verde (-J)
- 3 conductoare: (-O): maro, negru, gri  
(-J): galben-verde, albastru, maro

**Reference standard:** IEC 60502-1;  
**Rated voltage  $U_0/U(U_m)$ :** 1.8/3 (3,6) kV  
**Test voltage:** 6.5 kV AC, 5 min, 50 Hz

### Applications

Power supply to power stations

The cables can be installed in open or confined areas, underground, in sewers, in concrete.

**Conductor temperature in long-run operation:** +90°C  
**Conductor max. temperature during short-circuit:** +250°C

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

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

\* UV resistant cables

### Aluminium conductor

Concentrically stranded conductor (rm), acc. to SR EN 60228

### Insulation

Crosslinked polyethylene (XLPE), DIX 3 type.

### Sheath

PVC, DMV6 type.

AC2XY are flame retardant cables, test according to SR EN 60332-1-2

AC2XY-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

### Max. tensile strain at installation

30 N/mm<sup>2</sup>

### Color coding

- 1 conductor: black (-O) or yellow-green (-J)
- 3 conductors: (-O): brown, black, grey  
(-J): yellow-green, blue, brown



**Cablu de energie cu izolatie de polietilena reticulata (XLPE) si si manta de PVC**

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Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie nominal/minim	Grosime radiala manta	Rezistenta electrica max, la 20°C	Diametru Exterior	Masa inf
<i>Cable size</i>	<i>Cond. type</i>	<i>Radial insulation thickness Nominal/ minim</i>	<i>Radial sheath thickness</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter</i>	<i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
1x50	rm	2.0/1.7	1.4	0.641	14.9	300
1x70	rm	2.0/1.7	1.4	0.443	16.8	350
1x95	rm	2.0/1.7	1.5	0.320	18.4	442
1x120	rm	2.0/1.7	1.5	0.253	19.9	530
1x150	rm	2.0/1.7	1.6	0.206	21.4	625
1x185	rm	2.0/1.7	1.7	0.164	23.8	755
1x240	rm	2.0/1.7	1.8	0.125	26.2	932
1x300	rm	2.0/1.7	1.9	0.100	29.3	1128
1x400	rm	2.0/1.7	2.0	0.0778	32.6	1451
3x150	sm	2.0/1.7	2.2	0.206	39.9	1926
3x185	sm	2.0/1.7	2.3	0.164	42.0	2293
3x240	sm	2.0/1.7	2.5	0.125	47.2	2840