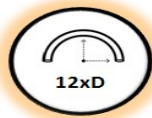
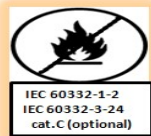
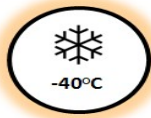
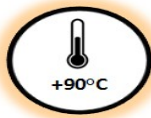
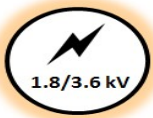


AC2XAb(z)Y, AC2XAb(z)Y-F



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

Armored power cable with XLPE insulation and PVC sheath



Standard de referinta: SR CEI 60502-1;
Tensiune nominala $U_0/U(U_m)$: 1.8/3 kV
Tensiunea de incercare: 6,5 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 UV

Conductor de aluminiu

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

Izolatie

Polietilena reticulata (XLPE), DIX3 type.

Manta interioara

PVC, tip DMV6

Armatura

Banda de otel laminata la rece nezincata sau zincata (z)

Manta exterioara:

PVC negru sau gri

Cablurile AC2XAb(z)Y sunt cu rezistenta la propagarea flacarii; incercare conf. SR EN 60332-1-2

Iar AC2XAb(z)Y-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

12 x diametrul cablului

Forta maxima de tractiune la pozare

30 N/mm²

Cod de culori

- 3 conductoare: maro, negru, gri
- galben-verde, albastru, maro
- 4 conductoare: albastru, maro, negru, gri
- galben-verde, maro, negru, gri

Reference standard: SR CEI 60502-1
Rated voltage $U_0/U(U_m)$: 1.8/3 kV
Test voltage: 6,5 kV, 50 Hz, for 5 minutes.

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

Aluminum conductor

Solid conductor (re), concentrically stranded conductor (rm), sector-shaped conductor (sm), acc. to SR EN 60228

Insulation

Crosslinked polyethylene (XLPE), DIX3 type.

Inner sheath

PVC, DMV6 type

Armor

Blank or zinc-plated cold-rolled steel tape (z)

Sheath

PVC, black or grey.

AC2XAb(z)Y cables are flame retardant; test according to SR EN 60332-1-2

AC2XAb(z)Y-F are extra flame retardant cables, test according to SR EN 60332-3-24/ C category

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

30 N/mm²

Color coding

- 3 conductors: brown, black, grey
- yellow-green, blue, brown
- 4 conductors: blue, brown, black, grey
- yellow-green, brown, black, grey

AC2XAb(z)Y, AC2XAb(z)Y-F



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

Armored power cable with XLPE 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 nom/min <i>Radial sheath thickness nom/min mm</i>	Rezistenta electrica, max la 20°C <i>Max. Resistance at 20°C</i>	Diametru exterior nominal <i>Nominal outer diameter</i>	Masa inf <i>Mass inf</i>
		mm	Ext <i>ext</i>	Ω/km	mm	kg/km
3x185	sm	2.0	2.5/1.8	0.164	48.0	3129
3x240	sm	2.0	2.6/1.88	0.125	52.3	3804
3x150+70	sm;sm	2.0;2.0	2.4/1.72	0.206;0.443	45.1	3054