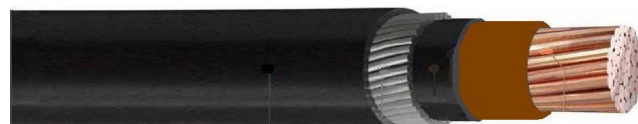
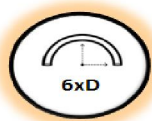
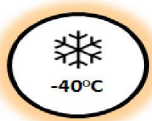
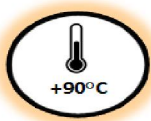
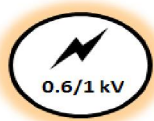


XLPE/PVC/AWA/PVC; C2XAIY

Cablu de energie cu izolatie de polietilena reticulata si manta de PVC,armate cu sarma de Al



Power cable with cross-linked polyethylene insulation and PVC sheathed , wire reinforced Al



Standard de referinta: BS 5467

Tensiune nominala $U_0/U(U_m)$: 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, in apa.

Temperatura conductorului de cupru 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 -40°C

Conductor de cupru

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

Izolatia

XLPE- polietilena reticulata

Invelis intern extrudat

PVC

Armatura

Armatura din sarme de Al.

Manta exterioara de PVC

PVC tip ST2 negru

Marcaj pe manta

SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, standard, an de fabricatie, CE

Raza minima de curbura la instalare

6 x diametrul cablului

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

- 1 conductor: maro sau albastru

Reference standard: BS 5467

Rated voltage $U_0/U(U_m)$: 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 , under water.

Conductor temperature in long-run operation: +90°C

Max. conductor temperature in short-circuit (max 5 s): +250°C

Minimum cable temperature (masured on the sheath's surface)

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

Copper conductor

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

Insulation

XLPE- cross-linked polyethylene

The inner extruded

PVC

Armor

Aluminum wires

Sheath

PVC type ST2 black

Sheath marking

SC ELECTROPLAST SA, cable symbol , operational voltage, standard, year of manufacture

Min. bending radius at installation

6 x cable diameter

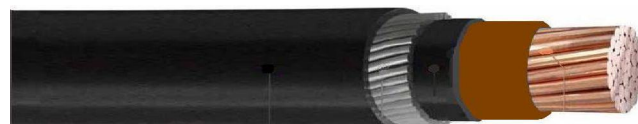
Max. tensile strain at installation

50 N/mm²

Color coding

- 1 conductor: brown or blue

XLPE/PVC/AWA/PVC; C2XAIY



Cablu de energie cu izolatie de polietilena reticulata si manta de PVC,armate cu sarma de Al

Power cable with cross-linked polyethylene insulation and PVC sheathed , wire reinforced Al

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatie <i>Insulation's radial thickness</i> mm	Diam sarmei de Al <i>Aluminium single wire's diameter</i> mm	Grosime radiala invelis intern <i>Inner bedding's thickness</i> mm	Grosime radiala manta externa <i>Oversheath's radial thickness</i> mm	Diametru exterior inf <i>Outer diameter aprox.</i> mm	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km		Masa inf <i>Mass aprox.</i> kg/km
							Cond Cu	Al	
1x50	rm	1.0	0.90	0.8	1.5	16.7	0.387	1.3	661
1x70	rm	1.1	1.25	0.8	1.5	19.2	0.268	0.75	921
1x95	rm	1.1	1.25	0.8	1.6	21.1	0.193	0.67	1195
1x120	rm	1.2	1.25	0.8	1.6	22.8	0.153	0.61	1440
1x150	rm	1.4	1.60	1.0	1.7	25.9	0.124	0.42	1807
1x185	rm	1.6	1.60	1.0	1.8	29.1	0.0991	0.38	2248
1x240	rm	1.7	1.70	1.0	1.8	31.5	0.0754	0.34	2793
1x300	rm	1.8	1.85	1.0	1.9	34.8	0.0601	0.31	3383
1x400	rm	2.0	2.00	1.2	2.0	39.9	0.0470	0.22	4402
1x500	rm	2.2	2.10	1.2	2.1	41.9	0.0366	0.20	5444