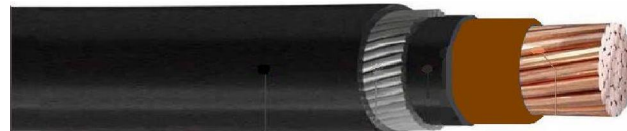
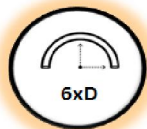
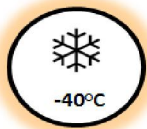
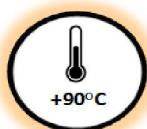
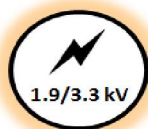


## XLPE/PVC/AWA/PVC; C2XA1Y



**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 fabricatie:** BS 5467

**Tensiune nominala  $U_0/U(U_m)$ :** 1.9/3.3(3.36) kV

**Tensiunea de incercare:** 6.5 kV, timp de 5 minute

**Reference standard:** BS 5467

**Rated voltage  $U_0/U(U_m)$ :** 1.9/3.3 (3.36) kV

**Test voltage:** 6.5 kV, for 5 minutes.

### 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

### Applications

Power supply to power stations

The cables can be installed in open or confined areas, under ground, in sewers, in concrete , under water.

### 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 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 surface)**

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

### Conductor de cupru

Conductor multifilar cl 2 conf SR EN 60228

### Copper conductor

Concentrically stranded circular conductor (rm), according to SR EN 60228

### Izolatia

XLPE- polietilena reticulata

### Insulation

XLPE- cross-linked polyethylene

### Invelis intern extrudat

PVC

### Inner covering

PVC

### Armatura

Armatura din sarme de Al.

### Armor

Aluminum wires

### Manta exterioara

PVC tip ST2 negru

### Sheath

PVC type ST2 black

### Marcaj pe manta

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

### Sheath marking

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

### Raza minima de curbura la instalare

6 x diametrul cablului

### Min. bending radius at installation

6 x cable diameter

### Forta maxima de tractiune la pozare

50 N/mm<sup>2</sup>

### Max. tensile strain at installation

50 N/mm<sup>2</sup>

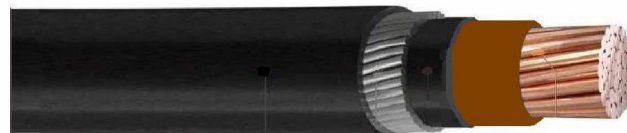
### Cod de culori

- 1 conductor: maro

### Color coding

- 1 conductor: brown

## 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>	Diam sarmei de Al <i>Aluminium wire's diameter</i>	Grosime radiala invelis intern <i>Bedding's thickness</i>	Grosime radiala manta externa <i>Oversheath's radial thickness</i>	Diametru exterior inf <i>Outer diameter aprox.</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>		Masa inf <i>Mass aprox.</i>
							<i>Ω/km</i>	<i>Ω/km</i>	
		mm	mm	mm	mm	mm	Cond Cu	Al	kg/km
1x50	rmc	2.0	1.25	0.8	1.6	19.6	0.387	0.75	770
1x70	rmc	2.0	1.25	0.8	1.6	21.2	0.268	0.67	986
1x95	rmc	2.0	1.25	0.8	1.6	22.9	0.193	0.61	1249
1x120	rmc	2.0	1.60	1.0	1.7	25.7	0.153	0.42	1550
1x150	rmc	2.0	1.60	1.0	1.7	27.1	0.124	0.39	1836
1x185	rmc	2.0	1.60	1.0	1.8	29.9	0.0991	0.37	2230
1x240	rmc	2.0	1.60	1.0	1.8	31.9	0.0754	0.34	2850
1x300	rmc	2.0	1.68*	1.0	1.9	34.9	0.0601	0.31	3390
1x400	rmc	2.0	2.00	1.2	2.0	40.1	0.0470	0.22	4450
1x500	rmc	2.2	2.10*	1.2	2.1	41.9	0.0366	0.20	5444

\* Diametrul sarmelor de Al este putin diferit (>) de BS 5467

\* The diameter of wires is slightly different (>) from BS 5467