

XLPE INSULATED, PVC SHEATHED ARMOURED 0,6/1kV COPPER POWER CABLES



TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: 250°C (max. 5 sec.)
- Rated Voltage: 0,6/1kV (Um: 1200V)
- Min. Bending Radius: 15x Cable Outer Diameter
- Production Standard: IEC 60502-1, VDE 0271, BS 5467

CONSTRUCTION

Conductor: : Stranded or Shaped Round Class 2 Copper conductor as per IEC 60228

For sections between 1.5mm² – 10mm² ; Solid Round Class 1 conductor can also be supplied upon request.

Insulation: XLPE insulation material. Thickness shall be as per IEC 60502-1

Inner Sheath/Filler: PVC Inner sheath/Filler material

Armour: Galvanised Round Steel Wire Armour or Double Steel Tape Armour or Flat Steel Wire Armour+Steel Tape Armour

* For Single Core Cables Armour should be Aluminium Wire Armour if the cable will not be used in DC System.

Outer Sheath: PVC outer sheath material. Thickness shall be as per IEC 60502-1.

CODE of CABLE

- Cu/ XLPE/SWA/PVC; Cu/ XLPE/DSTA/PVC; N2XRY; N2XFGbY; N2XBYP; YXZ2V; YXZ3V; YXZ4V

APPLICATION

These cables refer to XLPE insulated, PVC sheathed **ARMOURED** Power cables with a rated voltage of 0,6/1kV.

These cables used for electricity supply in a low voltage installation system. They are suitable for installation indoors, outdoors, underground, in cables ducts and power and switching stations, local energy distributions, industrial plants, and places where is risk of mechanical damage. Due to having **ARMOUR**, these cables can be used for heavy installation and mounting conditions.

SECTION RANGE

- From 1.5mm² up to 630mm²

CONDUCTOR QUANTITY

- **For the Power Cables with Copper Conductor:**
From 1 Core up to 5 Cores
- **For Control Cables with Copper Conductor:**
From 5 Cores up to 48 Cores

COLOUR CODE of CABLE

- Insulation Colours could be according to the International Standards or customer's request/demand.

FIRE PERFORMANCE of CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A – B and C.