

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



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Max. Short Circuit Temperature: (max. 5 sec.)
- Cross section $\leq 300 \text{ mm}^2$: 160°C
- Cross section $> 300 \text{ mm}^2$: 140 °C
- Rated Voltage: 0,6/1kV (Um: 1200V)
- Min. Bending Radius: 15x Cable Outer Diameter
- Production Standard: IEC 60502-1, VDE 0271

CONSTRUCTION

Conductor: Stranded or Shaped Round Class 2

Aluminium conductor as per IEC 60228

For sections between $1.5 \text{ mm}^2 - 10 \text{ mm}^2$; Solid Round Class 1 conductor can also be supplied upon request.

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

Inner Sheath/Filler: PVC Inner sheath/Filler material.

Armour: Galvanized 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.

CODE of CABLE

- AI/ PVC/SWA/PVC ; AI/ PVC/DSTA/PVC; NAYRY;
NAYFGbY NAYBY; YAVZ2V; YAVZ3V; YAVZ4V

APPLICATION

These cables refer to PVC 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 a risk of mechanical damage. Due to having **ARMOUR**, these cables can be used for heavy installation and mounting conditions.

SECTION RANGE

- From 10 mm^2 up to 630 mm^2

CONDUCTOR QUANTITY

- From 1 Core up to 5 Cores

COLOUR CODE of CABLE

- Insulation Colours code 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.