

PVC INSULATED, PVC SHEATHED 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: 12x Cable Outer Diameter
- Production Standard: IEC 60502-1, VDE 0276-603, BS/EN 60502-1

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 be also supplied upon request.

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

Outer Sheath: PVC outer sheath material.

Thickness shall be as per IEC 60502-1

* PVC Insulation/Outer Sheath material up to for 105°C continuous operation also available upon special request.

CODE of CABLE

- AI/PVC/PVC; NAYY; YAVV

APPLICATION

These cables refer to PVC insulated, PVC sheathed 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 no risk of mechanical damage.

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.