

MICAGLASS TAPE+ XLPE INSULATED, 0,6/1kV Cu. SCREENED FIRE RESISTANT FE/180 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 Standards: IEC 60502-1, IEC 60331 VDE 0276, HD 604, S1

CONSTRUCTION

Conductor: : Stranded or Shaped Round Class 2 Copper conductor

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

* Class 5 (Flexible) Copper conductor can also be supplied upon request.

Insulation: Mica Glass Tape + XLPE insulation material.

Thickness shall be as per IEC 60502-1

Inner Sheath/Filler: PVC Inner sheath

Screen: Cu. Wires + Cu. Tape Screen or

Braided Cu. Wires Screen (Tinned Braided Cu. Wires Screen is optional)

Outer Sheath: Halogen Free Flame Retardant or Low Smoke Zero Halogen outer sheath material.

CODE of CABLE

- Cu/ MGT/XLPE/SC/HFFR FE 180; Cu/MGT/ XLPE/SC/LSZH FE 180; N2XCH FE 180; YXCH FE 180; N2XSLCH FE 180; YXSLCH FE 180

APPLICATION

These cables refer to Mica Glass Tape +XLPE insulated, HALOGEN FREE FLAME RETARDANT or LOW SMOKE ZERO HALOGEN sheathed Copper Screened Power Cables with a rated voltage of 0,6/1 kV. These cables have a low dielectric loss, Indoor installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary. In case of mechanical damage, the screen prevents any damage due to a power leak to the surrounding area.

SECTION RANGE

- From 1.5mm² up to 300mm²

CONDUCTOR QUANTITY

- **For the Power Cables:**
From 1 Core up to 5 Cores
- **For Control Cables:**
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.