

## MICAGLASS TAPE+ XLPE INSULATED, 0,6/1kV ARMOURED 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 or Aluminium conductor" as per IEC 60228

For sections between 1.5mm<sup>2</sup>–10mm<sup>2</sup>; Solid Round Class 1 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:** HFFR/LSZH Inner sheath

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

### CODE of CABLE

- Cu/MGT/ XLPE/SWA/HFFR; Cu/MGT/XLPE/DSTA/HFFR; N2XRH FE 180; N2XFGbH FE 180; N2XBH FE 180; YXZ2H FE 180; YXZ3H FE 180; YXZ4H FE 180

### APPLICATION

These cables refer to Mica Glass Tape +XLPE insulated, HALOGEN FREE FLAME RETARDANT or LOW SMOKE ZERO HALOGEN sheathed **ARMOURED FE180** Power Cables with a rated voltage of 0,6/1kV. These cables used in energy networks in refineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plant, data processing centers, business centers where there is a risk of fire 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 1.5mm<sup>2</sup> up to 630mm<sup>2</sup>

### 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.