

XLPE INSULATED, HFFR/LZSH/LSOH SHEATHED Cu. SCREENED 0,6/1kV 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
HD 604 S1

CONSTRUCTION

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

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

Inner Sheath/Filler: HFFR/LSZH Inner Sheath/Filler Material

Screen: Cu. Tape or Cu. Wires + Cu. Tape Screen or Braided Cu. Wires Screen.

Outer Sheath: Halogen Free Flame Retardant or Low Smoke Zero Halogen outer sheath material. Thickness shall be as per IEC 60502-1.

CODE of CABLE

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

APPLICATION

These cables refer to XLPE insulated, HALOGEN FREE FLAME RETARDANT or LOW SMOKE ZERO HALOGEN sheathed copper screened power cables with a rated voltage of 0,6/1kV. 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 power leak to the surrounding area.

SECTION RANGE

- **For the Power Cables with Copper Conductor:**
From 1.5 mm² up to 300 mm²
- **For the Power Cables with Aluminium Conductor:**
From 10 mm² up to 300 mm²

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.