# XLPE INSULATED, HFFR/LZSH/LSOH SHEATHED ARMOURED 0,6/1kV COPPER 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 0276 HD 604 S1

## CONSTRUCTION

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

* For sections between 1.5mm² – 10mm²; Solid Round Class 1 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

**Armour:** Galvanised Round Steel Wire Armour or Double Steel Tape Armour or Flat Steel Wire Armour and 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. Thickness shall be as per IEC 60502-1

## CODE of CABLE

- **Cu/XLPE/SWA/HFFR; Cu/XLPE/DSTA/HFFR; N2XRH; N2XFGbH; N2XBH; YXZ2H; YXZ3H; YXZ4H**

## APPLICATION

These cables refer to XLPE insulated, HALOGEN FEE FLAME RETARDANT or LOW SMOKE ZERO HALOGEN sheathed 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 a risk of mechanical damage. Due to having **ARMOUR**, these cables can be used for heavy installation and mounting conditions.

## SECTION RANGE

- **From 1.5mm² up to 630mm²**

## 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.