19/33kV SINGLE CORE
MEDIUM VOLTAGE POWER CABLES

TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: 250°C (max. 5 sec.)
- Rated Voltage: 19/33kV (Um: 39.600V)
- Min. Bending Radius: 15x Cable Outer Diameter
- Production Standards: IEC 60502-2; VDE 0276-620

CONSTRUCTION

- Stranded Class 2 Copper or Aluminium Wire
- Inner layer of semi-conducting material
- XLPE Insulation
- Outer layer of semi-conducting material
- Semi-conducting tape
- Screen of copper wires
- Outer sheath of Polyvinyl chloride (PVC) or Polyethylene (PE)

CODE of CABLE

- **For the Cables with Copper Conductor :**
  Cu/ XLPE/SC/PVC; Cu/ XLPE/SC/AWA/PVC;
  N2XSY; N2XS(F)Y; N2XSYR(A)V; N2XS(FL)2Y; YXC7V;
  YXC7VY2(A)V; YXC7(Q)
- **For the Cables with Aluminium Conductor:**
  Al/ XLPE/SC/PVC ; Al/ XLPE/SC/AWA/PVC; NA2XSY
  NA2XS(F)Y ; NA2XSYR(A)V; NA2XS(FL)2Y; YAXC7V;
  YAXC7VY2(A)V; YAXC7(Q)V

APPLICATION

These cables refer to power cables with a rated voltage of 19/33 kV. These cables have very low electrical loss compare to their similars and they are used in cable ducts, outdoor and indoor installations, underground where the short circuit levels are high such as urban and industrial areas fed by electrical energy. They are also used under normal and salty water if specially produced.

SECTION RANGE

- **For the Power Cables with Copper Conductor:**
  From 35mm² up to 630mm²
- **For the Power Cables with Aluminium Conductor:**
  From 35mm² up to 630mm²

SPECIAL FEATURES

- Cables can be supplied with special flame retardant PVC or Halogen Free Flame retardant(HFFR) outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C upon special request.
- Cables can be supplied with aluminium wire armour upon special request.
- Cables can be supplied with Polyethylene Outer Sheath material upon special request.
- Cables can be supplied with Longitudinally or Radial+Longitudinally sealed watertight tape (Swellable tape) upon special request