

**POWER CABLE**  
**Cu, XLPE insulated, PVC bedding, SWA, PVC outer sheath**  
**IEC60332.3, IEC60502**

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**Type**                      **F-Cu/XLPE/PVC/SWA/PVC 0,6/1Kv**                      **12X 2,5sqmm**  
**FE4ORFR 0,6/1Kv**

**Conductor :**              Flexible plain copper conductor according to IEC60228 cl.5 size 2,5sqmm ( 48x0,25 )  
Diam.                      2 mm

**Insulation :**              Cross-linked XLPE extruded compound                      - Temperature range -20 + 90°C  
Thickness :                      0,7 mm                      - Temperature laying -5 + 90°C

**Laying up :**              Twisted to core, color Black numbered ( or to be agreed )

**Bedding :**                      PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Thickness :                      1,0 mm

**Armour :**                      SWA, Galvanized steel round wires  
Thickness :                      0,9 mm

**Outer sheath :**              PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Color :                      Black ( or to be agreed )  
Thickness :                      2,0 mm  
Overall diameter :              23 mm  
Total weight :                      960 Kg/Km

**Marking :**

On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.

**Performance :**

- Conductor resistance              7,98 ohm/Km              ( + 5% for multipair )
- Test voltage core to core              4 Kv
- Flame retardant according to IEC60332-3-24, CEI20-22/3
- Low smoke and fume as per IEC60754-1, CEI20-37
- HCL emission < /= 22%
- Minimum bending radius              14 V. D.
- Hydrocarbon and UV resistant
  
- Inductance < /= 0,90 mH/Km
- Capacitance < /= 0,250 microF/Km

**Weight and diameter are theoretical + / - 10%**