SENSITHERM S.r.l.

PRODUCTION OF SPECIAL CABLES INSTRUMENTATION, CONTROL AND THERMOCOUPLE

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POWER CABLE
Cu, XLPE insulated, overall screen, PVC bedding, SWA, PVC outer sheath
IEC60332.3, CEI20-22/3

Type **F-Cu/XLPE/OS/PVC/SWA/PVC 0,6/1Kv** **3G 6sqmm**
FE4OHRFR 0,6/1Kv

Conductor : Flexible plain copper conductor according to IEC60228 cl.5 size 6sqmm (80x0,30)
Diam. 3 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 Y/G - Blue - Brown (or to be agreed)

Overall screen Applied over total assembly will be wrapped with polyester tape and shielded with Aluminum/Mylar tape100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm.

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 : 1,8 mm
Overall diameter : 18,5 mm
Total weight : 640 Kg/Km

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

Performance :
- Conductor resistance 3,3 ohm/Km (+ 5% for multipair)
- Test voltage core to core 3,5 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 resistant

- Inductance </= mH/Km
- Capacitance </= microF/Km

Weight and diameter are theoretical + / - 10%