

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

Type	F-Cu/XLPE/PVC/SWA/PVC 0,6/1Kv FE4ORFR 0,6/1Kv	3G 6sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 6sqmm (80x0,30) Diam. 3 mm	
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,7 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to core, color Blue - Brown - Y/G (or to be agreed)	

Bedding : PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Thickness : 1,0 mm
Under arm. diameter 13,6 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 mm
Total weight : 600 Kg/Km

Marking :

On the outer 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 \leq 22%
- Minimum bending radius 12 V. D.
- Hydrocarbon UV resistant

- Inductance \leq 0,90 mH/Km
- Capacitance \leq 0,250 microF/Km

Weight and diameter are theoretical + / - 10%