

**INSTRUMENTATION CABLE
Cu, XLPE insulated, PVC bedding, SWB, PVC outer sheath
IEC60332.3, IEC60502**

Type	F-Cu/XLPE/PVC/SWB/PVC 0,6/1Kv FE4ORAR 0,6/1Kv	2X 2,5sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 2,5sqmm (48x0,25) Diam. 2 mm	
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,7 mm	- Temperature range -50 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to pair, color Blue - Brown (or to be agreed)	

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

Armour : SWB, Galvanized steel braid wires
Thickness : 0,3 mm

Outer sheath : PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Color : Black (or to be agreed)
Thickness : 1,8 mm
Overall diameter : 14 mm
Total weight : 330 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 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 14 V. D.
- Hydrocarbon and UV resistant

- Inductance \leq 0,90 mH/Km
- Capacitance \leq 0,075 microF/Km

Weight and diameter are theoretical + / - 10%