

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

Type	F-Cu/XLPE/CUOS/PVC/SWA/PVC 300/500V	12X2X 0,75sqmm
	FE4XOH1RFR 300/500V	
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 0,75sqmm (24x0,20) Diam. 1,12 mm	
Insulation :	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,5 mm	- Temperature laying -5 + 90°C
Laying up :	Twisted to pair, color Blue - Black numbered (or to be agreed)	

Overall screen Applied over total assembly will be wrapped with polyester tape and shielded with Copper/Mylar tape 100% 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 : 2,0 mm
Overall diameter : 25,4 mm
Total weight : 960 Kg/Km

Marking :

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

Performance :

- Conductor resistance 26 ohm/Km (+ 5% for multipair)
- Test voltage core to core 2 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 resistant

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

Weight and diameter are theoretical + / - 10%