

INSTRUMENTATION CABLE
Cu, XLPE insulated, overall screen, PVC bedding, SWB, PVC outer sheath
IEC60332.3

Type	F-Cu/XLPE/OS/PVC/SWB/PVC 450/750V FE4XOHRAR 450/750V	12X2X 16AWG
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 16AWG (28x0,25) Diam. 1,55 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 pair, color White - Black numbered (or to be agreed)	
Comm wire :	single wire 16AWG, stranded tinned copper, PVC insulated red color	
Overall screen	Applied over total assembly will be wrapped with polyester tape and shielded with Aluminum/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 Under arm. diameter 24 mm	
Armour :	SWB, Galvanized steel braid wires Thickness : 0,3 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Blue (or to be agreed) Thickness : 2,0 mm Overall diameter : 29 mm Total weight : 1350 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	<ul style="list-style-type: none">- Conductor resistance 13,3 ohm/Km (+ 5% for multipair)- Test voltage core to core 3 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 12 V. D.- Hydrocarbon UV resistant - Inductance <= 0,90 mH/Km- Capacitance <= 0,250 microF/Km	

Weight and diameter are theoretical + / - 10%