

**INSTRUMENTATION CABLE
Cu, PE insulated, overall screen, PVC outer sheath
IEC60332.3, EN50288-7**

Type	F-Cu/PE/OS/PVC 300/500V FEOHR 300/500V	3X 1sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm (32x0,20) Diam. 1,3 mm	
Insulation :	Polyethylene extruded compound Thickness : 0,5 mm	- Temperature range -20 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to core, color Blue - Black - Brown (or to be agreed)	
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.	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Blue (or to be agreed) Thickness : 1,2 mm Overall diameter : 8,2 mm Total weight : 110 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 19,5 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 8 V. D.- Hydrocarbon and UV resistant- Cable for intrinsically safe application- Inductance \leq 0,90 mH/Km- Capacitance \leq 0,075 microF/Km- This cable is suitable to be used in ATEX area following the EN60079-14 prescription	

Weight and diameter are theoretical + / - 10%