

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

Type	F-Cu/PE/OS/PVC 300/500V FEXOHR 300/500V	2X 1,5sqmm
Conductor :	Flexible red copper conductor according to IEC60228 cl.5 size 1,5sqmm (28x0,25) Diam. 1,55 mm	
Insulation :	Polyethylene extruded compound Thickness : 0,6 mm	- Temperature range -20 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to pairs, color Blue - Black (or to be agreed)	
Overall screen	Over the multipair will be shielded with aluminum/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminum/mylar tape and further mylar tape.	
Bedding :	Thickness : mm	
Armor :	Thickness : mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Blue (or to be agreed) Thickness : 1,2 mm Overall diameter : 8,5 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 13,3 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 <= 22%- Minimum bending radius 8 V. D.- Hydrocarbon resistant- Cable for intrinsically safe application- Inductance <= 0,90mH/Km- Capacitance <= 0,075microF/Km- This cable is suitable to be used in ATEX area following the prescription of EN60079-14	

Weight and diameter are theoretical +/- 10%