

**INSTRUMENTATION CABLE
Cu, PVC insulated, individual and overall screen, PVC outer sheath
IEC60332.3**

Type	F-Cu/PVC/IS/OS/PVC 450/750V FR2XHOHR 450/750V	12X2X 1,5sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 1,5sqmm (28x0,25) Diam. 1,55 mm	
Insulation :	PVC extruded compound Thickness : 0,7 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to core, color Blue - Black numb. (or to be agreed)	
Pair/Triad screen	Applied over the single pair/triad 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, over the screen will be placed a further Mylar tape.	
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 : Black (or to be agreed) Thickness : 2,0 mm Overall diameter : 26 mm Total weight : 960 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 8 V. D.- Hydrocarbon resistant- Cable for intrinsically safe application- Inductance <= 0,90 mH/Km- Capacitance <= 0,250 microF/Km- This cable is suitable to be used in ATEX area following the EN60079-14 prescription	

Weight and diameter are theoretical + / - 10%