

INSTRUMENTATION CABLE
Cu, EPR insulated, overall screen, SHF1 bedding, TCWB, SHF1 outer sheath
IEC60332.3-22, IEC60092-350, IEC60092-376

Type	Rt-Cu/EPR/OS/SHF1/TCWB/SHF1 250V RG7OHM1H2M1 250V	2X 1,5sqmm
Conductor :	Stranded tinned copper conductor acc. to IEC60228 cl.2 size Diam. 1,55 mm	1,5sqmm (7x0,53)
Insulation :	Cross-linked HEPR extruded compound Thickness : 0,45 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to pair, color Blue - Black (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.	
Bedding :	SHF1 , Low Smoke Zero Halogen emission extruded compound Thickness : 1,0 mm	
Screen :	TCWB tinned copper wire braid Thickness : 0,3 mm	
Outer sheath :	SHF1 , Low Smoke Zero Halogen emission extruded compound Color : Blue / Black (or to be agreed) Thickness : 1,4 mm Overall diameter : 11,6 mm Total weight : 230 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 13,7 ohm/Km (+ 5% for multipair)- Test voltage core to core 1,5 Kv- Flame retardant according to IEC60332-3-22, CEI20-22/2- Low smoke and halogen free as per IEC60754-2, CEI20-37/2- Low smoke density emission IEC61034-1/2- Minimum bending radius 10 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%