

INSTRUMENTATION CABLE
Cu, XLPE insulated, overall screen, LSZH outer sheath
IEC60332.1, IEC60332.3, EN50288-7

Type	R-Cu/XLPE/OS/LSZH 300/500V RE4OHM1 300/500V	
Conductor :	Stranded red copper conductor according to IEC60228 cl.2 size 0,75sqmm (7x0,37) Diam. 1,12 mm	
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,5 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to pair, color White - Black, White - Red - Black (or to be agreed)	
Pair screen		
Overall screen	Over the multipair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/mylar tape and further mylar tape.	
Bedding :	Thickness :	mm
Armor :		
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound Color : Blue (or to be agreed)	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	<ul style="list-style-type: none">- Conductor resistance 24,5 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 halogen free as per IEC60754-2, CEI20-37/2- Low smoke density emission IEC61034-1/2- Hydrocarbon and UV resistant- Cable for intrinsically safe application- Inductance $\leq 0,90\text{mH/Km}$- Capacitance $\leq 0,25\text{microF/Km}$- This cable is suitable to be used in ATEX area following the EN60079-14 prescription	