

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

Type	R-Cu/XLPE/OS/LSZH 300/500V RE-2X(st)H-fl	2X3X 0,5sqmm
Conductor :	Stranded plain copper conductor according to IEC60228 cl.2 size 0,5sqmm (7x0,30) Diam. 0,9 mm	
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,45 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to triad, color White - Red - Black numbered (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 :	M1, Low Smoke Zero Halogen emission extruded compound Color : Black (or to be agreed) Thickness : 1,4 mm Overall diameter : 12 mm Total weight : 160 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 36,7 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- Minimum bending radius 8 V. D.- Hydrocarbon and UV resistant - Inductance </= 0,90 mH/Km- Capacitance </= 0,250 microF/Km	

Weight and diameter are theoretical + / - 10%