

**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	2X2X 1,5sqmm
Conductor :	Strandrd red copper conductor according to IEC60228 cl.2 size 1,5sqmm (7x0,53) Diam. 1,55 mm	
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,6 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to pairs, color White - Black numbered (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/myler tape and further mylar tape.	
Bedding :	Thickness :	mm
Armor :	Thickness :	mm
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound Color : Black (or to be agreed) Thickness : 1,2 mm Overall diameter : 9,5 mm Total weight : 160 Kg/Km	
Marking :	On the outhter sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 12,1 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 resistant	

Weight and diameter are theoretical + / - 10%