

INSTRUMENTATION CABLE
Cu, XLPE insulated, Cu individual and overall screen, PVC outer sheath
IEC60332.3, EN50288-7

Type	Rt-Cu/XLPE/IS/OS/PVC 300/500V RE4XH1OH1R 300/500V	3X2X 1sqmm
Conductor :	Stranded tinned copper conductor acc. to IEC60228 cl.2 size Diam. 1,3 mm	1sqmm (7x0,43)
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 numbered (or to be agreed)	
Pair/Triad screen	Applied over the single pair/triad will be wrapped with polyester tape and shielded with Copper / 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.	
Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm	
Screen :	PCT plain copper tape, 100% coverage 25% overlap Thickness : 0,1 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 1,6 mm Overall diameter : 16 mm Total weight : 480 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 20 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 fume as per IEC60754-1, CEI20-37- HCL emission \leq 22%- Minimum bending radius 10 V. D.- Hydrocarbon and UV resistant - Inductance \leq 0,90 mH/Km- Capacitance \leq 0,250 microF/Km	

Weight and diameter are theoretical + / - 10%