

INSTRUMENTATION CABLE
Cu, XLPE insulated, individual and overall screen, PET bedding, TCWB, LSZH outer sheath
IEC60332.3, EN50288-7, IEC60754

Type	R-Cu/XLPE/IS/OS/TCWB/LSZH 300/500V RE4XHOHH2M1 300/500V	30X2X 1sqmm
Conductor :	Strandrd plain copper conductor according to IEC60228 cl.2 size 1sqmm (7x0,43) Diam. 1,3 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 numbered (or to be agreed)	
Pair/Triad screen	Applied over the single pair/triad 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, over the screen will be placed a further Mylar tape.	
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 :	PET Mylar tape Thickness : 0,05 mm	
Screen :	TCWB tinned copper wire braid Thickness : 0,2 mm	
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound Color : Black (or to be agreed) Thickness : 2,0 mm Overall diameter : 32 mm Total weight : 1900 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 18,1 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 14 V. D.- Hydrocarbon and UV resistant - Inductance </= 0,90 mH/Km- Capacitance </= 0,250 microF/Km	

Weight and diameter are theoretical + / - 10%