

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

Type	R-Cu/XLPE/IS/OS/LSZH/SWA/LSZH 300/500V	3X3X 0,5sqmm
	RE4XHOHM1FM1 300/500V	
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	- Temperature range -20 + 90°C
	Thickness : 0,5 mm	- 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 :	M1, Low Smoke Zero Halogen emission extruded compound Thickness : 1,0 mm	
Armour :	SWA, Galvanized steel round wires Thickness : 0,9 mm	
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound Color : Black (or to be agreed) Thickness : 1,6 mm Overall diameter : 17,4 mm Total weight : 420 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- 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 14 V. D. - Hydrocarbon and UV resistant - Inductance </= 0,90 mH/Km - Capacitance </= 0,250 microF/Km	

Weight and diameter are theoretical + / - 10%