

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

Type	R-Cu/XLPE/IS/OS/LSZH/SWB/LSZH 300/300V	15X2X 20AWG
	RE4XHOHM1AM1 300/300V	
Conductor :	Stranded red copper conductor according to IEC60228 cl.2 size 20AWG (7x0,30) Diam. 0,9 mm	
Insulation :	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,6 mm	- Temperature laying -5 + 90°C
Laying up :	Twisted to pairs, color White - Black numbered (or to be agreed)	
Pair screen	Each pair will be shielded with aluminum/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminum/mylar tape and further mylar tape.	
Overall screen	Over the multipair will be shielded with aluminum/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminum/mylar tape and further mylar tape.	
Bedding :	M1, Low Smoke Zero Halogen emission extruded compound	
	Thickness : 1,0 mm	
Armor :	SWB, Galvanized steel braid wires	
	Thickness : 0,3 mm	
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound	
	Color : Green (or to be agreed)	
	Thickness : 2,0 mm	
	Overall diameter : 26 mm	
	Total weight : 1120 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 36 ohm/Km (+ 5% for multipair) - Test voltage core to core 1,5 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 12 V. D. - Hydrocarbon resistant	

Weight and diameter are theoretical + / - 10%