

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

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<b>Type</b>	<b>R-Cu/XLPE/IS/OS/LSZH/SWA/LSZH 300/500V</b>	<b>2X2X 1sqmm</b>
	<b>RE4XHOHM1FM1 300/500V</b>	
<b>Conductor :</b>	Stranded plain copper conductor according to IEC60228 cl.2 size 1sqmm ( 7x0,43 ) Diam. 1,3 mm	
<b>Insulation :</b>	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,5 mm	- Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, color Green - Black numbered ( or to be agreed )	
<b>Pair/Triad screen</b>	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.	
<b>Overall screen</b>	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.	
<b>Bedding :</b>	M1, Low Smoke Zero Halogen emission extruded compound	
	Thickness : 1,0 mm	
<b>Armour :</b>	SWA, Galvanized steel round wires	
	Thickness : 0,9 mm	
<b>Outer sheath :</b>	M1, Low Smoke Zero Halogen emission extruded compound	
	Color : Blue ( or to be agreed )	
	Thickness : 1,4 mm	
	Overall diameter : 16,8 mm	
	Total weight : 410 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- 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 </= 0,075 microF/Km	

**Weight and diameter are theoretical + / - 10%**