

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, overall screen, LSZH bedding, SWA, LSZH outer sheath**  
**IEC60332.3, IEC60754, EN50288-7**

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<b>Type</b>	<b>F-Cu/XLPE/OS/LSZH/SWA/LSZH 300/500V FE4OHM1FM1 300/500V</b>	<b>2X 1sqmm</b>
<b>Conductor :</b>	Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm ( 32x0,20 ) Diam. 1,3 mm	
<b>Insulation :</b>	Cross-linked XLPE extruded compound Thickness : 0,5 mm	- Temperature range -40 + 90°C - Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to core, color Black - Blue ( or to be agreed )	
<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 : 11,8 mm Total weight : 220 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 19,5 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	

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