

**INSTRUMENTATION CABLE**  
**Cu, EPR insulated, overall screen, LSZH bedding, SWB, LSZH outer sheath**  
**IEC60332.3-24**

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<b>Type</b>	<b>F-Cu/EPR/OS/LSZH/SWB/LSZH 300/500V FG7OHM1AM1 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 HEPR extruded compound Thickness : 0,5 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, color Blue - Black ( 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>	SWB, Galvanized steel braid wires Thickness : 0,3 mm	
<b>Outer sheath :</b>	M1, Low Smoke Zero Halogen emission extruded compound Color : Black ( or to be agreed ) Thickness : 1,4 mm Overall diameter : 12 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>	<ul style="list-style-type: none"><li>- Conductor resistance 19,5 ohm/Km ( + 5% for multipair )</li><li>- Test voltage core to core 2 Kv</li><li>- Flame retardant according to IEC60332-3-22, CEI20-22/2</li><li>- Low smoke and halogen free as per IEC60754-2, CEI20-37/2</li><li>- Low smoke density emission IEC61034-1/2</li><li>- Minimum bending radius 12 V. D.</li><li>- Hydrocarbon and UV resistant</li></ul>	

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