

**INSTRUMENTATION CABLE**  
**Cu, EPR insulated, individual and overall screen, LSZH outer sheath**  
**IEC60332.3, IEC60754, IEC61034**

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<b>Type</b>	<b>F-Cu/EPR/IS/OS/LSZH 0,6/1Kv</b> <b>FG7XHOHM1 0,6/1Kv</b>	<b>2X2X 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>	PVC extruded compound Thickness : 0,7 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to pair, color Blue - 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>Outer sheath :</b>	M1, Low Smoke Zero Halogen emission extruded compound Color : Black ( or to be agreed ) Thickness : 1,8 mm Overall diameter : 13,5 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 4 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 8 V. D. - Hydrocarbon and UV resistant  - Inductance </= 0,90 mH/Km - Capacitance </= 0,250 microF/Km	

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