

**INSTRUMENTATION CABLE**  
**Cu, EPR insulated, overall screen, LSZH bedding, SWB, LSZH outer sheath**  
**IEC60332.3, IEC6075, IEC61034**

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<b>Type</b>	<b>Ft-Cu/EPR/OS/LSZH/SWB/LSZH 0,6/1Kv</b>	<b>3X 1,5sqmm</b>
	<b>FG7OHM1AM1 0,6/1Kv</b>	
<b>Conductor :</b>	Flexible tinned copper conductor acc. to IEC60228 cl.5	size 1,5sqmm ( 28x0,25 )
	Diam.	1,55 mm
<b>Insulation :</b>	Cross-linked HEPR extruded compound	- Temperature range -20 + 90°C
	Thickness :	0,7 mm - Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to core, color White - Red - 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 :	Blue ( or to be agreed )
	Thickness :	1,6 mm
	Overall diameter :	14 mm
	Total weight :	310 Kg/Km
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 13,7 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 14 V. D.	
	- Hydrocarbon resistant	
	- Inductance </= 0,90 mH/Km	
	- Capacitance </= 0,250 microF/Km	

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