

**INSTRUMENTATION CABLE  
Cu, EPR insulated, LSZH outer sheath  
IEC60332.3, IEC60754, IEC61034, EN50288-7**

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<b>Type</b>	<b>F-Cu/EPR/LSZH 300/500V FG7OM1 300/500V</b>	<b>6X 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 core, color Black numbered ( or to be agreed )	

<b>Outer sheath :</b>	M1, Low Smoke Zero Halogen emission extruded compound
Color :	Black ( or to be agreed )
Thickness :	1,4 mm
Overall diameter :	9,8 mm
Total weight :	150 Kg/Km

**Marking :**

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	8 V. D.	
	- Hydrocarbon UV resistant		
	- Inductance </=	0,90 mH/Km	
	- Capacitance </=	0,200 microF/Km	

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