

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

Type	F-Cu/EPR/LSZH 300/500V FG7OM1 300/500V	3X 1sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm (32x0,20) Diam. 1,3 mm	
Insulation :	Cross-linked HEPR extruded compound Thickness : 0,5 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to core, color Brown - Black - Grey (or to be agreed)	

Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound
Color :	Black (or to be agreed)
Thickness :	1,2 mm
Overall diameter :	7,6 mm
Total weight :	90 Kg/Km

Marking :

On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.

Performance :	- 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%