

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

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<b>Type</b>	<b>F-Cu/EPR/ISCu/OSCu/LSZH 0,6/1Kv</b>	<b>2X3X 1,5sqmm</b>
	<b>FG7XH2OH2M1 0,6/1Kv</b>	
<b>Conductor :</b>	Flexible plain copper conductor according 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 triad, color Blue - Brown - Black numb. ( or to be agreed )	
<b>Pair/Triad screen</b>	Applied over the single pair/triad will be wrapped with polyester tape and shielded with plain Copper braid coverage 60% the single screen will be in contact together	
<b>Overall screen</b>	Applied over total assembly will be wrapped with polyester tape and shielded with plain Copper braid coverage 60%	
	0	

<b>Outer sheath :</b>	M1, Low Smoke Zero Halogen emission extruded compound
Color :	Green ( or to be agreed )
Thickness :	1,8 mm
Overall diameter :	20 mm
Total weight :	610 Kg/Km

**Marking :**

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

<b>Performance :</b>	- Conductor resistance	13,3 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 and UV resistant		
	- Inductance </=	0,90 mH/Km	
	- Capacitance </=	0,250 microF/Km	

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