

**INSTRUMENTATION CABLE**  
**CuMGT, FR-HEPR insulated, LSZH bedding, SWA, LSZH outer sheath**  
**IEC60332.3-24, IEC60754, IEC61034, IEC60331-21**

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<b>Type</b>	<b>F-Cu/MGT/FR-HEPR/LSZH/SWA/LSZH 300/500</b>	<b>3G 1,5sqmm</b>
	<b>FTG18OM16FM16 300/500V</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>	Mica tape, Cross-linked G18 extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,6 mm	- Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to core, color Y/G - Blue - Black	

**Bedding :** M16, Low Smoke Zero Halogen emission extruded compound  
Thickness : 1,0 mm

**Armour :** SWA, Galvanized steel round wires  
Thickness : 0,9 mm

**Outer sheath :** M16, Low Smoke Zero Halogen emission extruded compound  
Color : Red ( or to be agreed )  
Thickness : 1,4 mm  
Overall diameter : 14,6 mm  
Total weight : 340 Kg/Km

**Marking :**

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

**Performance :**

- Conductor resistance 13,3 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 15 V. D.
- Hydrocarbon and UV resistant
  
- Inductance  $\leq$  0,90 mH/Km
- Capacitance  $\leq$  0,250 microF/Km
- Fire resistant IEC60331-21

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