

**FIRE RESISTANT INSTRUMENTATION CABLE**  
**CuMGT, FR-HEPR insulated, overall screen, LSZH bedding, SWB, LSZH outer sheath**  
**IEC60332.3, IEC60754, IEC61034, EN50200**

---

<b>Type</b>	<b>F-CuMGT/FRHEPR/OS/LSZH/SWB/LSZH 300/500V</b>	<b>2X 1,5sqmm</b>
	<b>FTG16XOHM16AM16 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 G16 extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,6 mm	- Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, Blue - Black ( or to be agreed )	
<b>Pair screen</b>		
<b>Overall screen</b>	Over the multipair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/myler tape and further myler tape.	
<b>Bedding :</b>	M16, 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>	M16, Low Smoke Zero Halogen emission extruded compound	
	Colour : Black ( or to be agreed )	
	Thickness : 1,4 mm	
	Overall diameter : 13,8 mm	
	Total weight : 300 Kg/Km	
<b>Marking :</b>	On the outhter 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 2 Kv	
	- Flame retardant according to IEC60332.3-22, CEI20-22/2	
	- Low smoke and halogen free as per IEC60754-2, CEI20-37/2	
	- Fire resistant EN50200	
	- Minimum bending radius 16 v.d.	
	- Hydrocarbon resistant	