

**FIRE RESISTANT INSTRUMENTATION CABLE**  
**CuMGT, XLPE insulated, overall screen, LSZH bedding, SWB, PVC outer sheath**  
**IEC60332.3-24, IEC60331-21**

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<b>Type</b>	<b>F-CuMGT/XLPE/OS/LSZH/SWB/PVC 500V FTE4OHM1AR 500V</b>	<b>2X 1sqmm</b>
<b>Conductor :</b>	Flexible red copper conductor according to IEC60228 cl.5 size Diam. 1,3 mm	1sqmm ( 32x0,20 )
<b>Insulation :</b>	Mica tape, Cross-linked XLPE extruded compound Thickness : 0,6 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, White - 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>	M1, 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>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Colour : Blue ( or to be agreed ) Thickness : 1,4 mm Overall diameter : 13 mm Total weight : 260 Kg/Km	
<b>Marking :</b>	On the outhter 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 IEC60332.3-22, CEI20-22/2 - Low smoke and fume as per IEC60754-2, CEI20-37/2 - Fire resistant IEC60331-21 - Minimum bending radius 16 v.d. - Hydrocarbon and UV resistant	