

**FIRE RESISTANT INSTRUMENTATION CABLE**  
**CuMGT, XLPE insulated, overall screen, LSZH bedding, SWA, LSZH outer sheath**  
**IEC60332.3, IEC60754, IEC61034, IEC60331-21**

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<b>Type</b>	<b>R-CuMGT/XLPE/OS/LSZH/SWA/LSZH 0,6/1Kv</b>	<b>6X2X 2,5sqmm</b>
	<b>RTE4XOHM1FM1 0,6/1Kv</b>	
<b>Conductor :</b>	Strandrd plain copper conductor according to IEC60228 cl.2 size 2,5sqmm ( 7x0,67 ) Diam. 2 mm	
<b>Insulation :</b>	Mica tape, Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,7 mm	- Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, White - Black numbered	
<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>	SWA, Galvanized steel round wires	
	Thickness : 0,9 mm	
<b>Outer sheath :</b>	M1, Low Smoke Zero Halogen emission extruded compound	
	Colour : Black	
	Thickness : 2,0 mm	
	Overall diameter : 30 mm	
	Total weight : 1250 Kg/Km	
<b>Marking :</b>	On the outhter sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 7,41 ohm/Km (+ 5% for multipair )	
	- Test voltage core to core 3,5 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 IEC60331-21	
	- Minimum bending radius 16 v.d.	
	- Hydrocarbon and UV resistant	

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