

**INSTRUMENTATION CABLE  
CuMGT, XLPE insulated, overall screen, LSZH outer sheath  
IEC60332.3-24, IEC60754, IEC61034, IEC60331-21**

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<b>Type</b>	<b>R-Cu/MGT/XLPE/OS/LSZH 300/500V RTE4OHM1 300/500V</b>	<b>3X 1sqmm</b>
<b>Conductor :</b>	Stranded plain copper conductor according to IEC60228 cl.2 size 1sqmm ( 7x0,43 ) Diam. 1,3 mm	
<b>Insulation :</b>	Mica tape, Cross-linked XLPE extruded compound - Temperature range -20 + 90°C Thickness : 0,6 mm - Temperature laying -5 + 90°C	
<b>Laying up :</b>	Twisted to core, color White - Red - Black ( or to be agreed )	
<b>Overall screen</b>	Applied over total assembly will be wrapped with polyester tape and shielded with Aluminum/Mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm.	
<b>Outer sheath :</b>	M16, Low Smoke Zero Halogen emission extruded compound Color : Red ( or to be agreed ) Thickness : 1,4 mm Overall diameter : 10 mm Total weight : 150 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	<ul style="list-style-type: none"><li>- Conductor resistance 18,1 ohm/Km ( + 5% for multipair )</li><li>- Test voltage core to core 2 Kv</li><li>- Flame retardant according to IEC60332-3-24, CEI20-22/3</li><li>- Low smoke and halogen free as per IEC60754-2, CEI20-37/2</li><li>- Low smoke density emission IEC61034-1/2</li><li>- Minimum bending radius 15 V. D.</li><li>- Hydrocarbon and UV resistant</li> <li>- Inductance <math>\leq</math> 0,90 mH/Km</li><li>- Capacitance <math>\leq</math> 0,200 microF/Km</li><li>- Fire resistant IEC60331-21</li><li>- Temperature range -35 / 80°C</li></ul>	

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