

**INSTRUMENTATION CABLE**  
**Cu, EPR insulated, overall Al tape screen + CWB, PVC outer sheath**  
**IEC60332.2-24**

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<b>Type</b>	<b>F-Cu/EPR/OS+CWB/PVC 0,6/1Kv</b> <b>FG7OHH2R 0,6/1Kv</b>	<b>4G 2,5sqmm</b>
<b>Conductor :</b>	Flexible plain copper conductor according to IEC60228 cl.5 size 2,5sqmm ( 48x0,25 ) Diam. 2 mm	
<b>Insulation :</b>	Cross-linked HEPR extruded compound Thickness : 0,7 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to core, color Brown - Black - Grey - Y/G ( 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>Overall screen :</b>	Plain copper wire braid in contact with Aluminum tape	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Grey ( or to be agreed ) Thickness : 1,8 mm Overall diameter : 12,8 mm Total weight : 330 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 7,98 ohm/Km ( + 5% for multipair )</li><li>- Test voltage core to core 3,5 Kv</li><li>- Flame retardant according to IEC60332-3-24, CEI20-22/3</li><li>- Low smoke and fume as per IEC60754-1, CEI20-37</li><li>- HCL emission <math>\leq</math> 22%</li><li>- Minimum bending radius 10 V. D.</li><li>- Hydrocarbon and UV resistant</li> <li>- Inductance <math>\leq</math> 0,90mH/Km</li><li>- Capacitance <math>\leq</math> 0,075microF/Km</li></ul>	
<b>Weight and diameter</b>	<b>are theoretical + / - 10%</b>	