

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, overall + CWB screen, PVC outer sheath**  
**IEC60332.3**

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<b>Type</b>	<b>U-Cu/XLPE/OS+CWB/PVC 300/500V UE4OHH2R 300/500V</b>	<b>2X 1mm</b>
<b>Conductor :</b>	Solid plain copper conductor according to IEC60228 cl.1 size Diam. 1,07 mm	1mm ( 1x1,07 )
<b>Insulation :</b>	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, color White - 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>Screen :</b>	CWB plain copper wire braid in touch with Aluminum tape Thickness : 0,2 mm	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Blue ( or to be agreed ) Thickness : 1,2 mm Overall diameter : 8,8 mm Total weight : 140 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 19,5 ohm/Km ( + 5% for multipair )</li><li>- Test voltage core to core 2 Kv</li><li>- Flame retardant according to IEC60332-3-22, CEI20-22/2</li><li>- Low smoke and fume as per IEC60754-1, CEI20-37</li><li>- HCL emission &lt;= 22%</li><li>- Minimum bending radius 8 V. D.</li><li>- Hydrocarbon and UV resistant</li> <li>- Inductance &lt;= 0,90 mH/Km</li><li>- Capacitance &lt;= 0,075 microF/Km</li></ul>	

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