

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, individual and overall screen, SHF1 bedding, CWB, SHF1 outer sheath**  
**IEC60332.3, IEC60754, IEC61034**

---

<b>Type</b>	<b>R-Cu/XLPE/IS/OS/SHF1/CWB/SHF1 125/150V</b>	<b>15X2X 0,5sqmm</b>
<b>Conductor :</b>	Strandrd red copper conductor according to IEC60228 cl.2 size 0,5sqmm ( 7x0,30 ) Diam. 0,9 mm	
<b>Insulation :</b>	Cross-linked XLPE extruded compound Thickness : 0,5 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pairs, color Blue - Black numbered ( or to be agreed )	
<b>Pair screen</b>	Each pair will be shielded with aluminum/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminum/myler tape and further mylar tape.	
<b>Overall screen</b>	Over the multipair will be shielded with aluminum/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminum/myler tape and further mylar tape.	
<b>Bedding :</b>	SHF1 , Low Smoke Zero Halogen emission extruded compound Thickness : 1,0 mm	
<b>Screen :</b>	CWB red copper wire braid Thickness : 0,3 mm	
<b>Outer sheath :</b>	SHF1 , Low Smoke Zero Halogen emission extruded compound Color : Green ( or to be agreed ) Thickness : 2,0 mm Overall diameter : 25,5 mm Total weight : 1070 Kg/Km	
<b>Marking :</b>	On the outhter sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 36 ohm/Km (+ 5% for multipair ) - Test voltage core to core 1,5 Kv - Flame retardant according to IEC60332-3-24, CEI20-22/3 - Low smoke and halogen free as per IEC60754-2, CEI20-37/2 - Low smoke density emission IEC61034-1/2 - Minimum bending radius 12 V. D. - Hydrocarbon resistant	

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