

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, overall screen, SHF2 outer sheath**  
**IEC60332.3, EN50363, IEC60092-359, BS7655 SW3**

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<b>Type</b>	<b>R-Cu/XLPE/OS/SHF2 0,6/1Kv</b> <b>RE4OHM2 0,6/1Kv</b>	<b>2X2X 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>	Cross-linked XLPE extruded compound Thickness : 0,7 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, color White - Black numbered ( 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>Bedding :</b>	SHF2 , Low Smoke Zero Halogen emission extruded compound Thickness : 0,8 mm	
<b>Outer sheath :</b>	SHF2 , Low Smoke Zero Halogen emission extruded compound Color : Black ( or to be agreed ) Thickness : 1,8 mm Overall diameter : 11,8 mm Total weight : 200 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 18,1 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 - Low smoke density emission IEC61034-1/2 - Minimum bending radius 8 V. D. - Hydrocarbon resistant  - Inductance <=/= 0,90 mH/Km - Capacitance <=/= 0,200 microF/Km	

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