

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, overall screen CWB, PVC bedding, SWA, PVC outer sheath**  
**IEC60332.2, IEC60502**

---

<b>Type</b>	<b>R-Cu/XLPE/OSCWB/PVC/SWA/PVC 0,6/1Kv</b>	<b>4X 4sqmm</b>
	<b>RE4OHH2RFR 0,6/1Kv</b>	
<b>Conductor :</b>	Stranded plain copper conductor according to IEC60228 cl.2 size 4sqmm ( 7x0,85 ) Diam. 2,5 mm	
<b>Insulation :</b>	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,7 mm	- Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, color Blue - Black numbered ( or to be agreed )	
<b>Pair/Triad screen</b>	Applied over the cores will be wrapped with polyester tape and shielded with Aluminum / Mylar tape 100% coverage and 25% overlap 0	
<b>Overall screen</b>	Applied over the Aluminium will be shielded with plain Copper braid wire coverage 60%	
<b>Bedding :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm	
<b>Armour :</b>	SWA, Galvanized steel round wires	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black ( or to be agreed ) Thickness : 1,8 mm Overall diameter : 20 mm Total weight : 800 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 4,61 ohm/Km ( + 5% for multipair ) - Test voltage core to core 4 Kv - Flame retardant according to IEC60332.1, CEI20-35 - Low smoke and fume as per IEC60754-1, CEI20-37 - HCL emission $\leq$ 22% - Minimum bending radius 14 V. D. - Hydrocarbon resistant  - Inductance $\leq$ 0,90mH/Km - Capacitance $\leq$ 0,20microF/Km	

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