

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, overall screen, PVC bedding, SWA, PVC outer sheath**  
**IEC60332.3, IEC60502**

---

<b>Type</b>	<b>R-Cu/XLPE/OS/PVC/SWA/PVC 0,6/1Kv</b>	<b>3X 1,5sqmm</b>
	<b>RE4OHRFR 0,6/1Kv</b>	
<b>Conductor :</b>	Strandrd plain copper conductor according to IEC60228 cl.2 siz 1,5sqmm ( 7x0,53 ) Diam. 1,55 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 core, color Red - 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 sizq 0,5sqmm.	
<b>Bedding :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm Inner diameter : 9,4 mm	
<b>Armour :</b>	SWA, Galvanized steel round wires #RIF! 0,9 #RIF!	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black ( or to be agreed ) Thickness : 1,8 mm Overall diameter : 13,5 mm Total weight : 320 Kg/Km	
<b>Marking :</b>	On the outhere sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 12,1 ohm/Km (+ 5% for multipair ) - Test voltage core to core 3,5 Kv - Flame retardant according to IEC60332-3-24, CEI20-22/3 - Low smoke and fume as per IEC60754-1, CEI20-37 - HCL emission <= 22% - Minimum bending radius 14 V. D. - Hydrocarbon and UV resistant  - Inductance <= 0,90 mH/Km - Capacitance <= 0,075 microF/Km	

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