

**INSTRUMENTATION CABLE**  
**Cu, PVC insulated, overall screen, PVC bedding, SWB, PVC outer sheath**  
**IEC60332.3, EN50288-7**

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<b>Type</b>	<b>F-Cu/PVC/OS/PVC/SWB/PVC 300/500V FR2XOHRAR 300/500V</b>	<b>2X 0,5sqmm</b>
<b>Conductor :</b>	Flexible red copper conductor according to IEC60228 cl.5 size Diam. 0,9 mm	0,5sqmm ( 16x0,20 )
<b>Insulation :</b>	PVC extruded compound Thickness : 0,6 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to pairs, color Blue - Black ( or to be agreed )	
<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/mylar tape and further mylar tape.	
<b>Bedding :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm	
<b>Armor :</b>	SWB, Galvanized steel braid wires Thickness : 0,3 mm	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Grigio ( or to be agreed ) Thickness : 1,4 mm Overall diameter : 9,8 mm Total weight : 180 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 39 ohm/Km (+ 5% for multipair ) - Test voltage core to core 2 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 10 V. D. - Hydrocarbon resistant	

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