

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

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<b>Type</b>	<b>F-Cu/PVC/OS/PVC/SWA/PVC 450/750V FR2OHRFR 450/750V</b>	<b>2X 1,5sqmm</b>
<b>Conductor :</b>	Flexible red copper conductor according to IEC60228 cl.5 size Diam. 1,55 mm	1,5sqmm ( 28x0,25 )
<b>Insulation :</b>	PVC extruded compound Thickness : 0,7 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>	SWA, Galvanized steel round wires Thickness : 0,9 mm	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black ( or to be agreed ) Thickness : 1,6 mm Overall diameter : 13 mm Total weight : 280 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 13,3 ohm/Km (+ 5% for multipair ) - Test voltage core to core 3 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 12 V. D. - Hydrocarbon resistant	

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