

**INSTRUMENTATION CABLE**  
**Cu, PVC insulated, overall screen, PVC bedding, SWA, PVC outer sheath**  
**IEC60332.3, CEI20-22/3, ENI0181**

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<b>Type</b>	<b>F-Cu/PVC/OS/PVC/SWA/PVC 0,6/1Kv</b>	<b>5X2X 1,5sqmm</b>
	<b>FR2XOHRFR 0,6/1Kv</b>	
<b>Conductor :</b>	Flexible plain copper conductor according to IEC60228 cl.5 size 1,5sqmm ( 28x0,25 ) Diam. 1,55 mm	
<b>Insulation :</b>	PVC extruded compound	- Temperature range -15 + 70°C
	Thickness : 0,8 mm	- Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to pair, color Blue - 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>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Thickness : 1,0 mm	
<b>Armour :</b>	SWA Galvanized steel round wires with an open helix of galvanized steel tape over the wire	
	Thickness : 0,9 mm	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Color : Black ( or to be agreed )	
	Thickness : 2,0 mm	
	Overall diameter : 24 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 13,3 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 fume as per IEC60754-1, CEI20-37	
	- HCL emission <= 22%	
	- Minimum bending radius 14 V. D.	
	- Hydrocarbon resistant ENI0181	
	- Inductance <= 1,25 mH/Km	
	- Capacitance <= 0,140 microF/Km	

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