

**INSTRUMENTATION CABLE**  
**Cu, PVC insulated, overall screen, PVC bedding, SWA, PVC outer sheath**  
**IEC60332.3-24**

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<b>Type</b>	<b>F(t)-Cu/PVC/OS/PVC/SWA/PVC 0,6/1Kv</b>	<b>3X 1,5sqmm</b>
	<b>FR2XOHRFR 0,6/1Kv</b>	
<b>Conductor :</b>	Flexible tinned copper conductor acc. to IEC60228 cl.5	size 1,5sqmm ( 28x0,25 )
	Diam.	1,55 mm
<b>Insulation :</b>	PVC extruded compound	- Temperature range -40 + 90°C
	Thickness :	0,8 mm - Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to core, color G/V - Blue - Brown ( 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	
	Thickness :	0,9 mm
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Color :	Black ( or to be agreed )
	Thickness :	1,8 mm
	Overall diameter :	13,8 mm
	Total weight :	320 Kg/Km
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 13,7 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 $\leq$ 22%	
	Minimum bending radius	14 V. D.
	- Hydrocarbon resistant	
	Inductance $\leq$	0,90 mH/Km
	Capacitance $\leq$	0,250 microF/Km

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