

**INSTRUMENTATION CABLE**  
**Cu, PVC insulated, OS + CWB screen, PVC outer sheath**  
**IEC60332.3, EN50288-7**

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<b>Type</b>	<b>F-Cu/PVC/OS+CWB/PVC 300/500V</b>	<b>4X 1sqmm</b>
	<b>FR2OHH2R 300/500V</b>	
<b>Conductor :</b>	Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm ( 32x0,20 ) Diam. 1,3 mm	
<b>Insulation :</b>	PVC extruded compound	- Temperature range -15 + 70°C
	Thickness : 0,5 mm	- Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to core, color Blue - Brown - Black - Grey ( 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 plain copper braid wire coverage 75%	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Color :	Black ( or to be agreed )
	Thickness :	1,2 mm
	Overall diameter :	9 mm
	Total weight :	150 Kg/Km
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 19,5 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 $\leq$ 22%	
	Minimum bending radius	8 V. D.
	- Hydrocarbon and UV resistant	
	- Inductance $\leq$ 0,90mH/Km	
	- Capacitance $\leq$ 0,25microF/Km	

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