

**INSTRUMENTATION CABLE**  
**Cu, PVC insulated, overall screen, PVC outer sheath**  
**IEC60332.1, IEC60332.3**

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<b>Type</b>	<b>F-Cu/PVC/OS/PVC 450/750V</b> <b>FR2XOHR 450/750V</b>	
<b>Conductor :</b>	Flexible red copper conductor according to IEC60228 cl.5 size 1sqmm (32x0,20) Diam. 1,3 mm	
<b>Insulation :</b>	PVC extruded compound Thickness : 0,7 mm	- Temperature range -15 + 105°C - Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to pair, color Blue - Black / Blue - Black - Brown ( or to be agreed )	
<b>Pair screen</b> ( only multipair )		
<b>Overall screen</b>	Over the multipair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/mylar tape and further mylar tape.	
<b>Bedding :</b>	Thickness : mm	
<b>Armor :</b>		
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Blue ( or to be agreed )	
<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 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% - Hydrocarbon resistant - Inductance <= 1,25mH/Km - Capacitance <= 0,25microF/Km	

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**Technical data & Electrical properties at 20°C**

DESCRIPTION	Sheath thickness	Ext.Dia m mm	W. Kg/Km	Armor Diam.	Bendin g radius
FR2XOHR 450/750V 2x1	1,2	8	100		64
FR2XOHR 450/750V 3x1	1,2	8,8	120		70

Weight and diameter are theoretical +/- 10%