

**INSTRUMENTATION CABLE**  
**Cu, PVC insulated, individual and overall screen, PVC outer sheath**  
**IEC60332.3, EN50288-7**

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<b>Type</b>	<b>F-Cu/PVC/IS/OS/PVC 300/500V FR2XHOHR 300/500V</b>	<b>6X2X 1,5sqmm</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 Thickness : 0,5 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to pair, color Blue - Black numbered ( or to be agreed )	
<b>Pair/Triad screen</b>	Applied over the single pair/triad 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, over the screen will be placed a further Mylar tape.	
<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>	SWB, Galvanized steel braid wires Thickness : 0,3 mm	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Grey ( or to be agreed ) Thickness : 1,6 mm Overall diameter : 22 mm Total weight : 710 Kg/Km	

**Marking :**

On the outer sheath " manufacturer's name year &amp; description cable " with ink-jet printer.

<b>Performance :</b>	- Conductor resistance	13,3 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 </= 22%		
	- Minimum bending radius	10 V. D.	
	- Hydrocarbon resistant		
	- Inductance </=	0,90 mH/Km	
	- Capacitance </=	0,250 microF/Km	

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