

**INSTRUMENTATION CABLE  
Cu, PVC insulated, overall screen, PVC outer sheath  
IEC60332.3, HT105°C**

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<b>Type</b>	<b>F-Cu/PVC/OS/PVC 300/500V FR3OHR 300/500V</b>	<b>3X 0,5sqmm</b>
<b>Conductor :</b>	Flexible red copper conductor according to IEC60228 cl.5 size 0,5sqmm ( 16x0,20 ) Diam. 0,9 mm	
<b>Insulation :</b>	PVC extruded compound Thickness : 0,6 mm	- Temperature range -15 + 105°C - Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to triad, color Blue - Brown - Black ( or to be agreed )	
<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>	Thickness : mm	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Blue ( or to be agreed ) Thickness : 1,2 mm Overall diameter : 8 mm Total weight : 90 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 39 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 8 V. D. - Hydrocarbon resistant, HT105°C - Cap. <= 0,14microF/Km - Ind. <= 1,25mH/Km	

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