

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

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<b>Type</b>	<b>F-Cu/PVC/OS/PVC 300/500V FR2XOHR 300/500V</b>	<b>18X2X 0,5sqmm</b>
<b>Conductor :</b>	Flexible plain copper conductor according to IEC60228 cl.5 size 0,5sqmm ( 16x0,20 ) Diam. 0,9 mm	
<b>Insulation :</b>	PVC extruded compound Thickness : 0,45 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to pair, color White - Black numbered ( 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>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black ( or to be agreed ) Thickness : 1,8 mm Overall diameter : 21 mm Total weight : 550 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  - Inductance <= 0,90 mH/Km - Capacitance <= 0,250 microF/Km	

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