

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

Type	F-Cu/PVC/OSCu/PVC 300/500V FR2OH1R 300/500V	2X 0,5sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 0,5sqmm (16x0,20) Diam. 0,9 mm	
Insulation :	PVC extruded compound Thickness : 0,5 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to pair, color Brown - Blue (or to be agreed)	
Overall screen	Applied over total assembly will be wrapped with polyester tape and shielded with Copper/Mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm.	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Grey (or to be agreed) Thickness : 1,2 mm Overall diameter : 6,8 mm Total weight : 75 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- 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%