

**INSTRUMENTATION CABLE
Cu, PVC insulated, overall screen, PVC outer sheath
IEC60332.3, CEI20-22**

Type	F-Cu/PVC/OS/PVC 300/500V FR2XOHR 300/500V	16X2X 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 : 0,3 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to pair, color Blue - Black numbered (or to be agreed)	
Overall screen	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.	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Grey / Blue (or to be agreed) Thickness : 1,4 mm Overall diameter : 16,8 mm Total weight : 380 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 1,5 Kv - Flame retardant according to IEC60332-3-24, CEI20-22/3 - Low smoke and fume as per IEC60754-1, CEI20-37 - HCL emission \leq 22% - Minimum bending radius 10 V. D. - Hydrocarbon resistant - Inductance \leq 0,90 mH/Km - Capacitance \leq 0,250 microF/Km	

Weight and diameter are theoretical + / - 10%