

INSTRUMENTATION CABLE
Cu, PVC insulated, overall screen, PVC bedding, SWA, PVC outer sheath
IEC60332.3, CEI20-22/3, EN50288-7

Type	F-Cu/PVC/OS/PVC/SWA/PVC 300/500V FR2XOHRFR 300/500V	2X 1sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm (32x0,20) Diam. 1,3 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 Blue - Black (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.	
Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm	
Armour :	SWA, Galvanized steel round wires Thickness : 0,9 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Blue (or to be agreed) Thickness : 1,4 mm Overall diameter : 12 mm Total weight : 220 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	<ul style="list-style-type: none">- Conductor resistance 19,5 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 \leq 22%- Minimum bending radius 12 V. D.- Hydrocarbon resistant - Inductance \leq 1,25 mH/Km- Capacitance \leq 0,200 microF/Km	

Weight and diameter are theoretical + / - 10%