

**INSTRUMENTATION CABLE
Cu, PVC insulated, individual and overall screen, PVC bedding, STA, PVC outer sheath
IEC60332.3**

Type	F-Cu/PVC/IS/OS/PVC/STA/PVC 450/750V FR2XHOHRNR 450/750V	6X2X 1sqmm
Conductor :	Flexible red copper conductor according to IEC60228 cl.5 size 1sqmm (32x0,20) Diam. 1,3 mm	
Insulation :	PVC extruded compound Thickness : 0,7 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to pairs, color Blue - Black Numbered (or to be agreed)	
Pair screen	Each pair will be shielded with aluminum/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminum/myler tape and further mylar tape.	
Overall screen	Over the multipair will be shielded with aluminum/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminum/myler tape and further mylar tape.	
Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm	
Armor :	STA, Double galvanized steel tape Thickness : 0,25 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Grey (or to be agreed) Thickness : 2,0 mm Overall diameter : 24 mm Total weight : 820 Kg/Km	
Marking :	On the outhter sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 19,5 ohm/Km (+ 5% for multipair) - Test voltage core to core 3 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 12 V. D. - Hydrocarbon resistant	

Weight and diameter are theoretical + / - 10%