

INSTRUMENTATION CABLE
Cu, PVC insulated, individual and overall screen, PVC bedding, SWB, PVC outer sheath
IEC60332.3, CEI20-22/3, ENI0181

Type	F-Cu/PVC/IS/OS/PVC/SWB/PVC 450/750V FR2XHOHRAR 450/750V	3X2X 1,5sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 1,5sqmm (28x0,25) Diam. 1,55 mm	
Insulation :	PVC extruded compound Thickness : 0,8 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to pair, color Blue - Black numbered (or to be agreed)	
Pair/Triad screen	Applied over the single pair/triad 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, over the screen will be placed a further Mylar tape.	
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 :	SWB, Galvanized steel braid wires Thickness : 0,3 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 1,6 mm Overall diameter : 20 mm Total weight : 620 Kg/Km	

Marking :

On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.

Performance :	- Conductor resistance	13,3 ohm/Km	(+ 5% for multipair)
	- Test voltage core to core	3 Kv	
	- Flame retardant according to IEC60332-3-22, CEI20-22/2		
	- 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	0,140 microF/Km	

Weight and diameter are theoretical + / - 10%