

INSTRUMENTATION CABLE
Cu, PVC insulated, individual and overall screen, PVC bedding, SWA, PVC outer sheath
IEC60332.3, EN50288-7

Type	F(t)-Cu/PVC/IS/OS/PVC/SWA/PVC 300/500V FR2XHOHRFR 300/500V	2X2X 1sqmm
Conductor :	Flexible tinned copper conductor acc. to IEC60228 cl.5 Diam. 1,3 mm	size 1sqmm (32x0,20)
Insulation :	PVC extruded compound Thickness : 0,5 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to pair, color White - 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 :	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 : 1,6 mm Overall diameter : 17 mm Total weight : 430 Kg/Km	

Marking :

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

Performance :	- Conductor resistance	20 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	14 V. D.	
	- Hydrocarbon resistant		
	- Inductance </=	0,90 mH/Km	
	- Capacitance </=	0,250 microF/Km	

Weight and diameter are theoretical + / - 10%