

INSTRUMENTATION CABLE
Cu, PVC insulated, individual and overall screen, PVC bedding, SWA, PVC outer sheath
IEC60332.3-24

Type	F(t)-Cu/PVC/IS/OS/PVC/SWA/PVC 0,6/1Kv	12X2X 2,5sqmm
	FR2XHOHRFR 0,6/1Kv	
Conductor :	Flexible tinned copper conductor acc. to IEC60228 cl.5	size 2,5sqmm (48x0,25)
	Diam.	2 mm
Insulation :	PVC extruded compound	- Temperature range -40 + 90°C
	Thickness :	0,9 mm - Temperature laying -5 + 70°C
Laying up :	Twisted to pair, color Red - 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 :	Black (or to be agreed)
	Thickness :	2,0 mm
	Overall diameter :	34,8 mm
	Total weight :	1990 Kg/Km

Marking :

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

Performance :	- Conductor resistance	8,21 ohm/Km	(+ 5% for multipair)
	- Test voltage core to core	3,5 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	14 V. D.	
	- Hydrocarbon resistant		
	- Inductance \leq	0,90 mH/Km	
	- Capacitance \leq	0,250 microF/Km	

Weight and diameter are theoretical + / - 10%