

INSTRUMENTATION CABLE
Cu, EPR insulated, individual and overall screen, PVC bedding, SWB, PVC outer sheath
IEC60332.3, IEC60502

Type	F-Cu/EPR/IS/OS/PVC/SWB/PVC 0,6/1Kv	6X3X 1,5sqmm
	FG7XHOHRAR 0,6/1Kv	
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 1,5sqmm (28x0,25) Diam. 1,55 mm	
Insulation :	Cross-linked HEPR extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,7 mm	- Temperature laying -5 + 90°C
Laying up :	Twisted to core, color Red - Red - White 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 : 2,0 mm	
	Overall diameter : 27,5 mm	
	Total weight : 1220 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	3,5 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		
	- Inductance </=	0,90 mH/Km	
	- Capacitance </=	0,250 microF/Km	

Weight and diameter are theoretical + / - 10%