

INSTRUMENTATION CABLE
Cu, EPR insulated, Cu overall screen, PVC bedding, SWA, PVC outer sheath
IEC60332.3

Type	F-Cu/EPR/OSCu/PVC/SWA/PVC 0,6/1Kv	12X 16AWG
	FG7OH1RFR 0,6/1Kv	
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 16AWG (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 Black numbered (or to be agreed)	
Overall screen	Applied over total assembly will be wrapped with polyester tape and shielded with Copper/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	
	Under armor diam. : 18,4 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 : 1,8 mm	
	Overall diameter : 23 mm	
	Total weight : 880 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 14 V. D.	
	- Hydrocarbon and UV resistant	
	- Inductance <= 0,90 mH/Km	
	- Capacitance <= 0,250 microF/Km	

Weight and diameter are theoretical + / - 10%