

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

Type	F(t)-Cu/PVC/OS/PVC/SWA/PVC 0,6/1Kv FR2XOHRFR 0,6/1Kv	2X 2,5sqmm
Conductor :	Flexible tinned copper conductor acc. to IEC60228 cl.5 Diam. 2 mm	size 2,5sqmm (48x0,25)
Insulation :	PVC extruded compound Thickness : 0,9 mm	- Temperature range -40 + 90°C - Temperature laying -5 + 70°C
Laying up :	Twisted to pair, color Red - Black (or to be agreed)	
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 : 1,8 mm Overall diameter : 13,8 mm Total weight : 330 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	<ul style="list-style-type: none">- 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%