

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	3G 2,5sqmm
	FR2OHRFR 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 core, color Y/G - 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 :	14,6 mm
	Total weight :	360 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 <= 22%	
	Minimum bending radius	14 V. D.
	- Hydrocarbon UV resistant	
	Inductance <=	0,90 mH/Km
	Capacitance <=	0,250 microF/Km

Weight and diameter are theoretical + / - 10%