

**INSTRUMENTATION CABLE
Cu, PVC insulated, PVC bedding, SWB, PVC outer sheath
IEC60332.3, CEI20-22/2, ENI0181**

Type	F-Cu/PVC/PVC/SWB/PVC 0,6/1Kv FR2ORAR 0,6/1Kv	3G 6sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 6sqmm (80x0,30) Diam. 3 mm	
Insulation :	PVC extruded compound Thickness : 0,9 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to core, color Blue - Black - Y/G (or to be agreed)	

Bedding : PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Thickness : 1,0 mm

Armour : SWB, Galvanized steel braid 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 : 19 mm
Total weight : 650 Kg/Km

Marking :

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

Performance :

- Conductor resistance 3,3 ohm/Km (+ 5% for multipair)
- Test voltage core to core 3,5 Kv
- Flame retardant according to IEC60332-3-22, CEI20-22/2
- Low smoke and fume as per IEC60754-1, CEI20-37
- HCL emission \leq 22%
- Minimum bending radius 14 V. D.
- Hydrocarbon resistant ENI0181

- Inductance \leq 1,25 mH/Km
- Capacitance \leq 0,140 microF/Km

Weight and diameter are theoretical + / - 10%