

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

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<b>Type</b>	<b>F-Cu/EPR/PVC/SWA/PVC 0,6/1Kv FG7ORFR 0,6/1Kv</b>	<b>4G 25sqmm</b>
<b>Conductor :</b>	Flexible plain copper conductor according to IEC60228 cl.5 size 25sqmm (4x80x0,30) Diam. 6,3 mm	
<b>Insulation :</b>	Cross-linked HEPR extruded compound Thickness : 0,9 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, color Y/G - Brown - Black - Grey ( or to be agreed )	

**Bedding :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Thickness : 1,0 mm  
Under arm. diameter 24 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 : 2,0 mm  
Overall diameter : 30 mm  
Total weight : 2000 Kg/Km

**Marking :**

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

**Performance :**

- Conductor resistance 1,21 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 12 V. D.
- Hydrocarbon UV resistant

**Weight and diameter are theoretical + / - 10%**