

**INSTRUMENTATION CABLE  
Cu, PVC insulated, PVC bedding, SWB, PVC outer sheath  
IEC60332.3, EN50288-7 PQA**

---

<b>Type</b>	<b>R-Cu/PVC/PVC/SWB/PVC 300/300V RR2ORAR 300/300V</b>	<b>2X 1,3sqmm</b>
<b>Conductor :</b>	Stranded plain copper conductor according to IEC60228 cl.2 size 1,3sqmm ( 7x0,49 ) Diam. 1,5 mm	
<b>Insulation :</b>	PVC extruded compound Thickness : 0,5 mm	- Temperature range -15 + 80°C - Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to pair, color Black - White ( or to be agreed )	

**Bedding :** PVC HT 105°C, Polyvinylchloride Low Smoke and Fume extruded compound  
Thickness : 1,0 mm

**Armour :** SWB, Galvanized steel braid wires  
Thickness : 0,3 mm

**Outer sheath :** PVC HT 105°C, Polyvinylchloride Low Smoke and Fume extruded compound  
Color : Black ( or to be agreed )  
Thickness : 1,8 mm  
Overall diameter : 12,6 mm  
Total weight : 260 Kg/Km

**Marking :**

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

**Performance :**

- Conductor resistance 12,1 ohm/Km ( + 5% for multipair )
- Test voltage core to core 1,5 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
  
- Inductance  $\leq$  0,90 mH/Km
- Capacitance  $\leq$  0,250 microF/Km

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