

**INSTRUMENTATION CABLE  
Cu, PVC insulated, overall screen, PVC outer sheath  
IEC60332.3, EN50288-7**

---

<b>Type</b>	<b>F-Cu/PVC/OS/PVC 300/500V FR2OHR 300/500V</b>	<b>2X2X 1sqmm</b>
<b>Conductor :</b>	Flexible red copper conductor according to IEC60228 cl.5 size 1sqmm (32x0,20) Diam. 1,3 mm	
<b>Insulation :</b>	PVC extruded compound Thickness : 0,5 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to pair, color Blue - Black numbered	

**Overall screen** Over the multipair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/mylar tape and further mylar tape.  
Over the multipair will be shielded with aluminium/mylar tape, with tinned copper drain

**Outer sheath :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Color : Blue  
Thickness : 1,2 mm  
Overall diameter : 9,4 mm  
Total weight : 150 Kg/Km

**Marking :**

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

**Performance :**

- Conductor resistance 19,5 ohm/Km (+ 5% for multipair)
- Test voltage core to core 2 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 8 V. D.
- Hydrocarbon resistant
  
- Inductance  $\leq 0,90\text{mH/Km}$
- Capacitance  $\leq 0,20\text{microF/Km}$

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