

**INSTRUMENTATION CABLE**  
**Cu, PVC insulated, overall Al screen, CWB, PVC outer sheath**  
**IEC60332.1, IEC60332.3**

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- Type** **Cu-Cl5/PVC/OS/CWB/PVC 0,6/1Kv**  
**FR2OHH2R 0,6/1Kv**
- Conductor :** Flexible red copper conductor according to IEC60228 cl.5 size 0,5sqmm ( 16x0,20 )  
Diam. 0,9 mm
- Insulation :** PVC extruded compound - Temperature range -15 + 80°C  
Thickness : 0,7 mm - Temperature laying -5 + 70°C
- Laying up :** Twisted to core, Black numbered ( or to be agreed )
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- 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 plain copper braid D. 0,20mm
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- Outer sheath :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Color : Blue
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- Marking :**  
On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.
- Performance :**
- Conductor resistance 39 ohm/Km (+ 5% for multipair)
  - Test voltage core to core 4 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%
  - Hydrocarbon resistant
  - Cable for intrinsically safe application
  - Inductance  $\leq$  0,90mH/Km
  - Capacitance  $\leq$  0,20microF/Km
  - This cable is suitable to be used in ATEX area following the EN60079-14 prescription

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**Technical data & Electrical properties at 20°C**

DESCRIPTION	Sheath thickness	Ext.Dia m mm	W. Kg/Km	Armour Diam.	Bending radius
Cu-Cl5/PVC/OS/CWB/PVC 0,6/1Kv 6X0,5	1,2	10,3	160		82
Cu-Cl5/PVC/OS/CWB/PVC 0,6/1Kv 10X0,5	1,2	12	240		96

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