

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

---

- Type** F-Cu/PVC/OS/PVC 0,6/1Kv  
FR2OHR 0,6/1Kv
- Conductor :** Flexible plain copper conductor according to IEC60228 cl.5 size 1,5sqmm ( 28x0,25 )  
Diam. 1,55 mm
- Insulation :** PVC extruded compound - Temperature range -15 + 80°C  
Thickness : 0,8 mm - Temperature laying -5 + 70°C
- Laying up :** Twisted to core. Pair Blue-Black / Multicores Black numbered ( or to be agreed )
- 
- 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 tinned copper drain wire 7x0,30 size 0,5sqmm.
- 
- Outer sheath :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Color : Black ( or to be agreed )
- 
- Marking :**  
On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.
- Performance :**
- Conductor resistance 13,3 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%
  - Hydrocarbon and UV resistant
  
  - Inductance  $\leq$  0,90 mH/Km
  - Capacitance  $\leq$  0,250 microF/Km

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

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

<b>DESCRIPTION</b>	<b>Sheath thickness</b>	<b>Ext.Dia m mm</b>	<b>W. Kg/Km</b>	<b>Armour Diam.</b>	<b>Bending radius</b>
<b>FR2OHR 0,6/1Kv 2X1,5</b>	<b>1,8</b>	<b>9,2</b>	<b>120</b>		<b>74</b>
<b>FR2OHR 0,6/1Kv 4X1,5</b>	<b>1,8</b>	<b>10,6</b>	<b>180</b>		<b>85</b>
<b>FR2OHR 0,6/1Kv 7X1,5</b>	<b>1,8</b>	<b>12,6</b>	<b>280</b>		<b>101</b>
<b>FR2OHR 0,6/1Kv 12X1,5</b>	<b>2</b>	<b>16,4</b>	<b>450</b>		<b>131</b>
<b>FR2OHR 0,6/1Kv 19X1,5</b>	<b>2</b>	<b>19</b>	<b>650</b>		<b>152</b>
<b>FR2OHR 0,6/1Kv 24X1,5</b>	<b>2</b>	<b>22</b>	<b>800</b>		<b>176</b>

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