

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

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**Type** **Cu-CI5/PVC/IS/OS/PVC 450/750V  
FR2XHOHR 450/750V****Conductor :** Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm (32x0,20)  
Diam. 1,3 mm**Insulation :** PVC extruded compound - Temperature range -15 + 80°C  
Thickness : 0,7 mm - Temperature laying -5 + 70°C**Laying up :** Twisted to pairs, White - Black numbered ( or to be agreed )**Pair/Triad screen** Applied over the single pair/triad 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 sizq 0,5sqmm, over the screen will be placed a further Mylar tape.**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 sizq 0,5sqmm.**Outer sheath :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Color : Grey**Marking :**

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

**Performance :**

- Conductor resistance 19,5 ohm/Km (+ 5% for multipair )
- Test voltage core to core 3 Kv
- Flame retardant according to IEC60332-3-24, CEI20-22/3
- Low smoke and fume as per IEC60754-1, CEI20-37
- HCL emission <= 22%
- Hydrocarbon resistant
  
- Inductance <= 0,90mH/Km
- Capacitance <= 0,25microF/Km

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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-CI5/PVC/IS/OS/PVC 450/750V 4X2X1	1,6	15,6	340		125
CU-CI5/PVC/IS/OS/PVC 450/750V 8X2X1	1,8	21	590		168
CU-CI5/PVC/IS/OS/PVC 450/750V 12X2X1	2	24,5	820		196

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