

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

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- Type** F-Cu/PVC/IS/OS/PVC 450/750V  
FR2XHOHR 450/750V
- Conductor :** Flexible red copper conductor according to IEC60228 cl.5 size 1,5sqmm ( 28x0,25 )  
Diam. 1,55 mm
- Insulation :** PVC extruded compound - Temperature range -15 + 105°C  
Thickness : 0,7 mm - Temperature laying -5 + 70°C
- Laying up :** Twisted to pair, color Blue - Black numbered ( or to be agreed )
- Pair screen** ( only multipair ) Each pair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/mylar tape and further mylar tape.
- 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.
- Bedding :**  
Thickness : mm
- Armor :**
- Outer sheath :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Color : Black / Orange ( 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 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 and UV resistant

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Technical data & Electrical properties at 20°C

DESCRIPTION	Sheath thickness	Ext.Dia m mm	W. Kg/Km	Armor Diam.	Bending radius
FR2OHR 450/750V 3x1	1,2	9	120		72
FR2OHR 450/750V 2x1	1,2	8	100		64
FR2XHOHR 450/750V 2x2x1	1,4	13	200		104
FR2XHOHR 450/750V 4x2x1	1,4	16	360		128
FR2XHOHR 450/750V 8x2x1	1,8	20	590		160

Weight and diameter are theoretical +/- 10%