

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

Type F-Cu/PVC/IS/OS/PVC 300/500V
FR2XHOHR 300/500V

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 : 0,6 mm - Temperature laying -5 + 70°C

Laying up : Twisted to pairs, Blue - 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 outhersheath " 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 <= 22%
- Hydrocarbon UV 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
F-Cu/PVC/IS/OS/PVC 12X2X1	1,8	23	760		184
F-Cu/PVC/IS/OS/PVC 16X2X1	2	25	960		200

Weight and diameter are theoretical +/- 10%