

INSTRUMENTATION CABLE**Cu, EPR insulated, individual and overall screen, PVC outer sheath
IEC60332.1, IEC60332.3****Type** **F-Cu/EPR/IS/OS/PVC 0,6/1Kv
FG7XHOHR 0,6/1Kv****Conductor :** Flexible plain copper conductor according to IEC60228 cl.5 size 1,5sqmm (28x0,25)
Diam. 1,55 mm**Insulation :** Cross-linked HEPR extruded compound - Temperature range -20 + 90°C
Thickness : 0,7 mm - Temperature laying -5 + 90°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 size 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 size 0,5sqmm.**Outer sheath :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Color : Blue (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 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 and UV resistant
- Cable for intrinsically safe application
- Inductance $\leq 0,90$ mH/Km
- Capacitance $\leq 0,250$ microF/Km
- This cable is suitable to be used in ATEX area following the EN60079-14 prescription

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

Technical data & Electrical properties at 20°C

DESCRIPTION	Sheath thickness	Ext.Dia m mm	W. Kg/Km	Armour Diam.	Bending radius
F-Cu/EPR/IS/OS/PVC 0,6/1Kv 12X2X1,5	2	26	980		208
F-Cu/EPR/IS/OS/PVC 0,6/1Kv 18X2X1,5	2	31	1370		248

Weight and diameter are theoretical +/- 10%