

INSTRUMENTATION CABLE
Cu, EPR insulated, overall screen, PVC outer sheath
IEC60332.1, IEC60332.3**Type** **F-Cu/EPR/OS/PVC 0,6/1Kv**
FG7XOHR 0,6/1Kv**Conductor :** Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm (32x0,20)
Diam. 1,3 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 triad, Blue - Brown - 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 : Blue (or to be agreed)**Marking :**

On the outer sheath " 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 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

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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/EPR/OS/PVC 0,6/1Kv 12X3X1	2	28	950		224
F-Cu/EPR/OS/PVC 0,6/1Kv 18X3X1	2	33	1330		264

Weight and diameter are theoretical +/- 10%