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

Type **F-Cu/PVC/OS/PVC 300/500V**
FR2XOHR 300/500V

Conductor : Flexible plain copper conductor according to IEC60228 cl.5 size 0,75sqmm (24x0,20)
Diam. 1,12 mm

Insulation : PVC extruded compound
Thickness : 0,5 mm
- Temperature range -15 + 80°C
- Temperature laying -5 + 70°C

Laying up : Twisted to pairs, Blue - Black numbered (or to be agreed)

Overall screen Applied over total assembly will be wrapped with polyester tape and shielded with Aluminum/Mylar tape100% 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 / Grigio (or to be agreed)

Marking :
On the outher sheath " manufacturer's name year & description cable " with ink-jet printer.

Performance :
- Conductor resistance 26 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 and UV resistant
- Cable for intrinsically safe application
- Inductance </= 0,90 mH/Km
- Capacitance </= 0,200 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.Diam mm	W. Kg/Km	Armour Diam.	Bending radius
F-CU/PVC/OS/PVC 300/500V 2X0,75	1,2	6,8	80		54
F-CU/PVC/OS/PVC 300/500V 6X2X0,75	1,6	15	310		120
F-CU/PVC/OS/PVC 300/500V 12X2X0,75	1,8	19	500		152

Weight and diameter are theoretical + / - 10%