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INSTRUMENTATION CABLE
Cu, EPR insulated, individual and overall screen, SHF2 bedding, TCWB, SHF2 outer sheath
IEC60332.3-22, IEC60092-350, IEC60092-376

Type **Rt-Cu/EPR/IS/OS/SHF2/TCWB/SHF2 250V 6X2X 1,5sqmm**
RG7XHOHM2H2M2 250V

Conductor : Stranded tinned copper conductor acc. to IEC60228 cl.2 size 1,5sqmm (7x0,53)
Diam. 1,55 mm

Insulation : Cross-linked HEPR extruded compound - Temperature range -20 + 90°C
Thickness : 0,45 mm - Temperature laying -5 + 90°C

Laying up : Twisted to pair, color 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 tape100% 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 tape100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm.

Bedding : SHF2 , Low Smoke Zero Halogen emission extruded compound
Thickness : 1,0 mm

Screen : TCWB tinned copper wire braid
Thickness : 0,3 mm

Outer sheath : SHF2 , Low Smoke Zero Halogen emission extruded compound
Color : Blue / Black (or to be agreed)
Thickness : 2,0 mm
Overall diameter : 23 mm
Total weight : 830 Kg/Km

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

Performance :
- Conductor resistance 13,7 ohm/Km (+ 5% for multipair)
- Test voltage core to core 1,5 Kv
- Flame retardant according to IEC60332-3-22, CEI20-22/2
- Low smoke and halogen free as per IEC60754-2, CEI20-37/2
- Low smoke density emission IEC61034-1/2
- Minimum bending radius 10 V. D.
- Hydrocarbon resistant
- Cable for intrinsically safe application
- Inductance </= 0,90 mH/Km
- Capacitance </= 0,250 microF/Km
- This cable is suitable to be used in ATEX area following the EN60079-14 prescription

Weight and diameter are theoretical + / - 10%