INSTRUMENTATION CABLE
Cu, XLPE insulated, individual and overall screen, PVC bedding, SWA, PVC outer sheath
IEC60332.3, EN50288-7

Type **R-Cu/XLPE/IS/OS/PVC/SWA/PVC 300/500V 10X2X 1,5sqmm**
RE4XHOHRFR 300/500V

Conductor : Strandrd plain copper conductor according to IEC60228 cl.2 size 1,5sqmm (7x0,53)
Diam. 1,55 mm

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

Laying up : Twisted to pair, color White - 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 : PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Thickness : 1,0 mm

Armour : SWA, Galvanized steel round wires
Thickness : 0,9 mm

Outer sheath : PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Color : Black (or to be agreed)
Thickness : 1,8 mm
Overall diameter : 28 mm
Total weight : 1220 Kg/Km

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

Performance :
- Conductor resistance 12,1 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%
- Minimum bending radius 14 V. D.
- Hydrocarbon and UV resistant

- Inductance </= 0,90 mH/Km
- Capacitance </= 0,250 microF/Km

Weight and diameter are theoretical + / - 10%