

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

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|--------------------------|---|--|
| Type | R-Cu/XLPE/IS/OS/PVC 300/500V RE4XH1OH1R 300/500V | 10X2X 1sqmm |
| Conductor : | Stranded plain copper conductor according to IEC60228 cl.2 size 1sqmm (7x0,43) Diam. 1,3 mm | |
| Insulation : | Cross-linked XLPE extruded compound Thickness : 0,5 mm | - Temperature range -20 + 90°C - 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 Copper / 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. | |
| Bedding : | PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm | |
| Screen : | PCT plain copper tape, 100% coverage 25% overlap Thickness : 0,1 mm | |
| Outer sheath : | PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 2,0 mm Overall diameter : 24 mm Total weight : 1060 Kg/Km | |
| Marking : | On the outer sheath " manufacturer's name year & description cable " with ink-jet printer. | |
| Performance : | <ul style="list-style-type: none">- Conductor resistance 18,1 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 \leq 22%- Minimum bending radius 10 V. D.- Hydrocarbon and UV resistant - Inductance \leq 0,90 mH/Km- Capacitance \leq 0,250 microF/Km | |

Weight and diameter are theoretical + / - 10%