

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

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|--------------------------|---|--|
| Type | R-Cu/XLPE/IS/OS/PVC/SWA/PVC 300/500V RE4XHOHRFR 300/500V | 6X2X 1,5sqmm |
| 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 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 Aluminum / 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. | |
| 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. | |
| 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 : 24 mm Total weight : 850 Kg/Km | |

Marking :

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

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| 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 </= | 0,075 microF/Km | |

Weight and diameter are theoretical + / - 10%