

INSTRUMENTATION CABLE
Cu, XLPE insulated, overall screen, PE bedding, SWB, LSZH outer sheath
IEC60332.1, EN50288-7

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| Type | R-Cu/XLPE/OS/PE/SWB/LSZH 300/500V RE40HEAM1 300/500V | 2X 1,5sqmm |
| Conductor : | Stranded 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 (or to be agreed) | |
| 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 : | PE, Polyethylene extruded compound Thickness : 1,0 mm | |
| Armour : | SWB, Galvanized steel braid wires Thickness : 0,3 mm | |
| Outer sheath : | M1, Low Smoke Zero Halogen emission extruded compound Color : Black (or to be agreed) Thickness : 1,4 mm Overall diameter : 12,6 mm Total weight : 240 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 12,1 ohm/Km (+ 5% for multipair)- Test voltage core to core 2 Kv- Flame retardant according to IEC60332.1, CEI20-35- Low smoke and halogen free as per IEC60754-2, CEI20-37/2- Low smoke density emission IEC61034-1/2- Minimum bending radius 12 V. D.- Hydrocarbon and UV resistant - Inductance </= 0,90 mH/Km- Capacitance </= 0,250 microF/Km | |

Weight and diameter are theoretical + / - 10%