

**INSTRUMENTATION CABLE****Cu, XLPE insulated, individual and overall screen, PVC bedding, SWA, PVC outer sheath  
IEC60332.1, IEC60332.3, BS5308**

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| <b>Type</b>           | <b>R-Cu/XLPE/IS/OS/PVC/SWA/PVC 300/500V<br/>RE4XHOHRFR 300/500V</b>  |  |
| <b>Conductor :</b>    | Stranded red copper conductor according to IEC60228 cl.2 size 1,5sqmm ( 7x0,53 )<br>Diam. 1,55 mm  |  |
| <b>Insulation :</b>   | Cross-linked XLPE extruded compound<br>Thickness : 0,6 mm  | - Temperature range -20 + 90°C<br>- Temperature laying -5 + 90°C |
| <b>Laying up :</b>    | Twisted to pair, color White - Black numbered ( or to be agreed )  |  |
| <b>Pair screen</b>    | Each pair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/mylar tape and further mylar tape.   |  |
| <b>Overall screen</b> | Over the multipair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/mylar tape and further mylar tape.  |  |
| <b>Bedding :</b>      | PVC, Polyvinylchloride Low Smoke and Fume extruded compound<br>Thickness : 1,2 mm  |  |
| <b>Armor :</b>        | SWA, Galvanized steel round wires  |  |
| <b>Outer sheath :</b> | PVC, Polyvinylchloride Low Smoke and Fume extruded compound<br>Color : Black ( or to be agreed )   |  |
| <b>Marking :</b>      | On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.   |  |
| <b>Performance :</b>  | - Conductor resistance 12,1 ohm/Km ( + 5% for multipair )<br>- Test voltage core to core 2 Kv<br>- Flame retardant according to IEC60332-3-24, CEI20-22/3<br>- Low smoke and fume as per IEC60754-1, CEI20-37<br>- HCL emission <= 22%<br>- Hydrocarbon and UV resistant |  |