

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, overall screen, PVC bedding, GSTA, PVC outer sheath**  
**IEC60332.1, IEC60332.3, EN50288-7**

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| <b>Type</b>           | <b>R-Cu/XLPE/OS/PVC/GSTA/PVC 300/500V</b><br><b>RE4OHRNR 300/500V</b>   |  |
| <b>Conductor :</b>    | Stranded red copper conductor according to IEC60228 cl.2 size 1sqmm (7x0,43)<br>Diam. 1,3 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 - Red, White - Black - Red - Brown ( or to be agreed )   |  |
| <b>Pair screen</b>    |   |  |
| <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 : 1,0 mm   |  |
| <b>Armor :</b>        | STA, Double galvanized steel tape   |  |
| <b>Outer sheath :</b> | PVC, Polyvinylchloride Low Smoke and Fume extruded compound<br>Color : Blue ( 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 18,1 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 |  |