

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, overall screen, PVC bedding, SWA, PVC outer sheath**  
**IEC60332.3, IEC60502**

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|                       |   |                                |
|-----------------------|---|--------------------------------|
| <b>Type</b>           | <b>R-Cu/XLPE/OS/PVC/SWA/PVC 0,6/1Kv</b>   | <b>2X 2,5sqmm</b>              |
|                       | <b>RE4OHRFR 0,6/1Kv</b>   |                                |
| <b>Conductor :</b>    | Stranded plain copper conductor according to IEC60228 cl.2 size 2,5sqmm ( 7x0,67 )<br>Diam. 2 mm  |                                |
| <b>Insulation :</b>   | Cross-linked XLPE extruded compound   | - Temperature range -20 + 90°C |
|                       | Thickness : 0,7 mm  | - Temperature laying -5 + 90°C |
| <b>Laying up :</b>    | Twisted to pair, color White - Black ( or to be agreed )  |                                |
| <b>Overall screen</b> | 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. |                                |
| <b>Bedding :</b>      | PVC, Polyvinylchloride Low Smoke and Fume extruded compound   |                                |
|                       | Thickness : 1,0 mm  |                                |
| <b>Armour :</b>       | SWA, Galvanized steel round wires   |                                |
|                       | Thickness : 0,9 mm  |                                |
| <b>Outer sheath :</b> | PVC, Polyvinylchloride Low Smoke and Fume extruded compound   |                                |
|                       | Color : Black ( or to be agreed )   |                                |
|                       | Thickness : 1,8 mm  |                                |
|                       | Overall diameter : 14,4 mm  |                                |
|                       | Total weight : 320 Kg/Km  |                                |
| <b>Marking :</b>      | On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.  |                                |
| <b>Performance :</b>  | - Conductor resistance 7,41 ohm/Km ( + 5% for multipair )   |                                |
|                       | - Test voltage core to core 4 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 <= 0,250 microF/Km  |                                |

**Weight and diameter are theoretical + / - 10%**