

**INSTRUMENTATION CABLE  
Cu, XLPE insulated, PVC bedding, SWA, PVC outer sheath  
IEC60332.1, IEC60502**

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| <b>Type</b>         | <b>R-Cu/XLPE/PVC/SWA/PVC 0,6/1Kv<br/>RE4ORFR 0,6/1Kv</b>   | <b>2X 2,5sqmm</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<br>Thickness : 0,7 mm  | - Temperature range -20 + 90°C<br>- Temperature laying -5 + 90°C |
| <b>Laying up :</b>  | Twisted to pair, color White - Black ( or to be agreed )   |  |

**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 : 14,4 mm  
Total weight : 310 Kg/Km

**Marking :**

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

**Performance :**

- Conductor resistance 7,41 ohm/Km ( + 5% for multipair )
- Test voltage core to core 3,5 Kv
- Flame retardant according to IEC60332-3-24, CEI20-22/3
- Low smoke and fume as per IEC60754-1, CEI20-37
- HCL emission  $\leq$  22%
- Minimum bending radius 14 V. D.
- Hydrocarbon and UV resistant
  
- Inductance  $\leq$  0,90 mH/Km
- Capacitance  $\leq$  0,250 microF/Km

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