

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

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- Type** **R-Cu/XLPE/IS/OS/PVC/SWA/PVC 300/500V  
RE4XHOHRFR 300/500V**
- 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 - Temperature range -20 + 90°C  
Thickness : 0,5 mm - Temperature laying -5 + 90°C
- Laying up :** Twisted to pairs, White - Black numbered ( or to be agreed )
- Pair/Triad screen** Applied over the single pair/triad 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, over the screen will be placed a further Mylar tape.
- 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 :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Thickness : 1,0 mm
- Armour :** SWA, Galvanized steel round wires
- Outer sheath :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Color : Black ( or to be agreed )
- Marking :**  
On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.
- Performance :**
- Conductor resistance 12,1 ohm/Km ( + 5% for multipair )
  - Test voltage core to core 2 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%
  - Hydrocarbon and UV resistant
  
  - Inductance  $\leq$  0,90 mH/Km
  - Capacitance  $\leq$  0,250 microF/Km