

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

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**Type** **R-Cu/XLPE/IS/OS/LSZH/SWA/LSZH 300/500V  
RE4XHOHM1FM1 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 :** M1, Low Smoke Zero Halogen emission extruded compound  
Thickness : 1,0 mm**Armour :** SWA, Galvanized steel round wires**Outer sheath :** M1, Low Smoke Zero Halogen emission extruded compound  
Color : Black ( or to be agreed )**Marking :**

On the outer sheath " manufacturer's name year &amp; 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 halogen free as per IEC60754-2, CEI20-37/2
- Low smoke density emission IEC61034-1/2
- Hydrocarbon and UV resistant
  
- Inductance  $\leq$  0,90 mH/Km
- Capacitance  $\leq$  0,250 microF/Km