

INSTRUMENTATION CABLE**Cu, XLPE insulated, individual and overall screen, PVC bedding, SWA, PVC outer sheath
EN50288-7, IEC60332.3-24**

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)
Twisted to triad, White - Red - Black (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 : Blue (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 0,200 microF/Km

