

**INSTRUMENTATION CABLE****Cu, PVC insulated, individual and overall screen, PVC bedding, GSTA, PVC outer sheath  
IEC60332.3-24**

---

**Type** **F-Cu/PVC/IS/OS/PVC/GSTA/PVC 450/750V  
FR2XHOHRNR 450/750V****Conductor :** Flexible plain copper conductor according to IEC60228 cl.5 size 0,5sqmm ( 16x0,20 )  
Diam. 0,9 mm**Insulation :** PVC extruded compound - Temperature range -15 + 80°C  
Thickness : 0,5 mm - Temperature laying -5 + 70°C**Laying up :** Twisted to pairs, Blue - 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 :** STA, Double galvanized steel tape**Outer sheath :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Color : Grey ( or to be agreed )**Marking :**

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

**Performance :**

- Conductor resistance 39 ohm/Km (+ 5% for multipair)
- Test voltage core to core 3 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

