

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

- Type** **R-Cu-CI2/XLPE/IS/OS/PVC/SWB/PVC 300/500V
RE-2X(ST)Y SWB Y PIMF**
- Conductor :** Stranded plain copper conductor according to IEC60228 cl.2 size 1,3qmm (7x0,49)
Diam. 1,3 mm
- Insulation :** Cross-linked XLPE extruded compound - Temperature range -20 + 90°C
Thickness : 0,45 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 sizq 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 sizq 0,5sqmm.
- Bedding :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Thickness : 1,0 mm
- Armour :** SWB, Galvanized steel braid 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
 - Cable for intrinsically safe application
 - Inductance \leq 0,90 mH/Km
 - Capacitance \leq 0,250 microF/Km
 - This cable is suitable to be used in ATEX area following the EN60079-14 prescription