

INSTRUMENTATION CABLE
Cu, XLPE insulated, individual and overall screen, PVC bedding, GSWA, PVC outer sheath
IEC60332.3, BS5308

Type	Cu-CI2/XLPE/IS/OS/PVC/GSWA/PVC 300/500V 12X2X 1,5sqmm RE4XHOHRFR 300/500V
Conductor :	Stranded red 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 pair, color 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) Thickness : 2,0 mm Overall diameter : 30 mm Total weight : 1350 Kg/Km
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% - Minimum bending radius 12 V. D. - Hydrocarbon and UV resistant - Inductance \leq 0,90mH/Km - Capacitance \leq 0,075microF/Km

Weight and diameter are theoretical + / - 10%