

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

Type	Cu-CI2/XLPE/OS/PVC/GSWA/PVC 300/500V RE4XOHRFR 300/500V	3X 1,5sqmm
Conductor :	Strandrd red copper conductor according to IEC60228 cl.2 size 1,5sqmm (7x0,53) Diam. 1,55 mm	
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,5 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to triad, color Red - White - Black (or to be agreed)	
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 :	SWA, Galvanized steel round wires	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 1,4 mm Overall diameter : 13 mm Total weight : 280 Kg/Km	
Marking :	On the outhere sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	<ul style="list-style-type: none">- 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 </= 22%- Minimum bending radius 12 V. D.- Hydrocarbon and UV resistant - Inductance </= 0,90mH/Km- Capacitance </= 0,075microF/Km	

Weight and diameter are theoretical + / - 10%