

INSTRUMENTATION CABLE
Cu, XLPE insulated, overall screen, PVC bedding, SWA, PVC outer sheath
IEC60332.3, BS EN50288-7

Type	PCu-CI2/XLPE/OS/PVC/SWA/PVC 300/500V RE4OHRFR 300/500V	4X 0,75sqmm
Conductor :	Stranded plain copper conductor according to IEC60228 cl.2 size 0,75sqmm (7x0,37) Diam. 1,12 mm	
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,45 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to pair, color Blue - Brown - Black - Grey (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 size 0,5sqmm.	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 1,4 mm Overall diameter : 12,6 mm Total weight : 260 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	<ul style="list-style-type: none">- Conductor resistance 24,5 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 14 V. D.- Hydrocarbon and UV resistant - Inductance <= 0,90mH/Km- Capacitance <= 0,20microF/Km	

Weight and diameter are theoretical + / - 10%