

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

Type	R-Cu/XLPE/OS/PVC/SWA/PVC 300/500V RE4XOHRFR 300/500V	8X2X 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 : 0,6 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to pairs, color Blue - Black numbered (or to be agreed)	
Overall screen	Over the multipair will be shielded with aluminum/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminum/myler tape and further mylar tape.	
Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm	
Armor :	SWA, Galvanized steel round wires Thickness : 1,25 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 2,0 mm Overall diameter : 26 mm Total weight : 950 Kg/Km	
Marking :	On the outhter 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 <=/= 0,20microF/Km	

Weight and diameter are theoretical + / - 10%