

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

Type	PCu-CI2/XLPE/PVC/SWA/PVC 300/500V RE4ORFR 300/500V	4X 1sqmm
Conductor :	Stranded plain copper conductor according to IEC60228 cl.2 size 1sqmm (7x0,43) Diam. 1,3 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)	

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 outer sheath " manufacturer's name year & description cable " with ink-jet printer.

Performance :	- Conductor resistance	18,1 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	14 V. D.	
	- Hydrocarbon and UV resistant		
	- Inductance \leq 0,90mH/Km		
	- Capacitance \leq 0,20microF/Km		

Weight and diameter are theoretical + / - 10%