

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

Type	R-Cu/XLPE/PVC/SWA/PVC 300/500V RE4ORFR 300/500V	5x 2,5sqmm
Conductor :	Strandrd red copper conductor according to IEC60228 cl.2 size 2,5sqmm (7x0,67) Diam. 2 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 core, color Black numbered (or to be agreed)	

Overall screen

Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm	
Armor :	SWA, Galvanized steel round wires Thickness : 0,9 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 1,6 mm Overall diameter : 18 mm Total weight : 570 Kg/Km	

Marking :

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

Performance :	- Conductor resistance	7,41 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		

Weight and diameter are theoretical + / - 10%