

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

Type	R-Cu/XLPE/OS/PVC/SWA/PVC 300/500V RE4XOHRFR 300/500V	10x3x 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 : 0,5 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to core, color White - Red - Black numbered (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.	
Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm	
Armour :	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 : 2,0 mm Overall diameter : 29 mm Total weight : 1170 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 resistant - Inductance \leq 0,90 mH/Km - Capacitance \leq 0,250 microF/Km	

Weight and diameter are theoretical + / - 10%