

INSTRUMENTATION CABLE
Cu, XLPE insulated, overall screen, PE bedding, SWA, PVC outer sheath
IEC60332.1, EN50288-7 PQA

Type	R-Cu/XLPE/OS/PE/SWA/PVC 300/500V RE-2X(st)2Y SWA Y 300/500V	2X 1,3sqmm
Conductor :	Stranded plain copper conductor according to IEC60228 cl.2 size 1,3sqmm (7x0,49) 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 pair, color White - Black (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 :	PE, Polyethylene extruded compound Thickness : 1,0 mm Under armor diam : 8,0 mm	
Armour :	SWA, Galvanized steel round wires Thickness : 0,9 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Blue (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 14,6 ohm/Km (+ 5% for multipair)- Test voltage core to core 2 Kv- Flame retardant according to IEC60332.1, CEI20-35- 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 0,90 mH/Km- Capacitance \leq 0,075 microF/Km	

Weight and diameter are theoretical + / - 10%