

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

Type	R-Cu/XLPE/OS/PVC/SWA/PVC 300/500V	2X 1sqmm
	RE4OHRFR 300/500V	
Conductor :	Stranded plain copper conductor according to IEC60228 cl.2 size 1sqmm (7x0,43) Diam. 1,3 mm	
Insulation :	Cross-linked XLPE extruded compound	- Temperature range -40 + 90°C
	Thickness : 0,5 mm	- Temperature laying -5 + 90°C
Laying up :	Twisted to core, color Blue - 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 :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Thickness : 0,8 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 : 11,8 mm	
	Total weight : 240 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	

Weight and diameter are theoretical + / - 10%