

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

Type	Cu-CI2/XLPE/OS/PVC/SWA/PVC 0,6/1Kv	2X 1sqmm
	RE4OHRFR 0,6/1Kv	
Conductor :	Strandrd plain copper conductor according to IEC60228 cl.2 size 1sqmm (7x0,43) Diam. 1,3 mm	
Insulation :	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,75 mm	- Temperature laying -5 + 90°C
Laying up :	Twisted to pair, color Blue - Brown (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	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Color : Orange (or to be agreed)	
	Thickness : 1,4 mm	
	Overall diameter : 12,6 mm	
	Total weight : 250 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 4 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 UV resistant	
	- Inductance < /= 0,90mH/Km	
	- Capacitance < /= 0,07microF/Km	
	- Impedance 100ohm +/-20%	

Weight and diameter are theoretical + / - 10%