

INSTRUMENTATION CABLE
Cu, XLPE insulated, overall screen, PVC bedding, SWB, PVC outer sheath
IEC60332.3

Type	F-Cu/XLPE/OS/PVC/SWB/PVC 0,6/1Kv	2X 2,5sqmm
	FE4OHRAR 0,6/1Kv	
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 2,5sqmm (48x0,25) Diam. 2 mm	
Insulation :	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,7 mm	- 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 :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Thickness : 1,0 mm	
	Under arm. diameter	9,4 mm
Armour :	SWB, Galvanized steel braid wires	
	Thickness : 0,3 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Color :	Blue (or to be agreed)
	Thickness :	1,4 mm
	Overall diameter :	13,6 mm
	Total weight :	310 Kg/Km
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 7,98 ohm/Km (+ 5% for multipair)	
	- Test voltage core to core 3,5 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 <=	0,90 mH/Km
	Capacitance <=	0,250 microF/Km

Weight and diameter are theoretical + / - 10%