

INSTRUMENTATION CABLE
Cu, XLPE insulated, overall + TCWB screen, LSZH outer sheath
IEC60332.3

Type	R-Cu/XLPE/OS+TCWB/LSZH 300/500V	3X 1,5sqmm
	RE4OHH2M1 300/500V	
Conductor :	Stranded plain copper conductor according to IEC60228 cl.2 size 1,5sqmm (7x0,53) Diam. 1,55 mm	
Insulation :	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,6 mm	- Temperature laying -5 + 90°C
Laying up :	Twisted to core, color 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.	
Screen :	TCWB tinned copper wire braid in touch with Aluminum tape Thickness : 0,2 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Grey (or to be agreed) Thickness : 1,2 mm Overall diameter : 9,2 mm Total weight : 170 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 12,1 ohm/Km (+ 5% for multipair) - Test voltage core to core 2 Kv - Flame retardant according to IEC60332-3-22, CEI20-22/2 - Low smoke and fume as per IEC60754-1, CEI20-37 - HCL emission <= 22% - Minimum bending radius 8 V. D. - Hydrocarbon and UV resistant - Inductance <= 0,90 mH/Km - Capacitance <= 0,075 microF/Km	

Weight and diameter are theoretical + / - 10%