

INSTRUMENTATION CABLE
Cu, XLPE insulated, overall screen, LSZH bedding, SWB, LSZH outer sheath
IEC60332.3-22

Type	PCu-CI5/XLPE/OS/LSZH/SWB/LSZH 450/750V FE4OHM1AM1 450/750V	3X 1,5sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 1,5sqmm (28x0,25) Diam. 1,55 mm	
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,6 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to core, color White - Black - Red (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 :	M1, Low Smoke Zero Halogen emission extruded compound Thickness : 1,0 mm	
Armour :	SWB, Galvanized steel braid wires Thickness : 0,30 mm	
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound Color : Grey (or to be agreed) Thickness : 1,2 mm Overall diameter : 12,8 mm Total weight : 300 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 13,3 ohm/Km (+ 5% for multipair)- Test voltage core to core 3 Kv- Flame retardant according to IEC60332-3-22, CEI20-22/2- Low smoke and halogen free as per IEC60754-2, CEI20-37/2- Low smoke density emission IEC61034-1/2- Minimum bending radius 10 V. D.- Hydrocarbon resistant - Inductance </= 0,90 mH/Km- Capacitance </= 0,075 microF/Km	

Weight and diameter are theoretical + / - 10%