

**INSTRUMENTATION CABLE
Cu, XLPE insulated, overall screen, SHF2 outer sheath
IEC60332.3, EN50363, IEC60092-359, BS7655 SW3**

Type	R-Cu/XLPE/OS/SHF2 0,6/1Kv RE4OHM2 0,6/1Kv	2X2X 0,75sqmm
Conductor :	Stranded plain copper conductor according to IEC60228 cl.2 size 0,75sqmm (7x0,37) Diam. 1,12 mm	
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,7 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to pair, color Blue - 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.	
Bedding :	SHF2 , Low Smoke Zero Halogen emission extruded compound Thickness : 0,8 mm	
Outer sheath :	SHF2 , Low Smoke Zero Halogen emission extruded compound Color : Black (or to be agreed) Thickness : 1,8 mm Overall diameter : 11,4 mm Total weight : 200 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 24,5 ohm/Km (+ 5% for multipair)- Test voltage core to core 3,5 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 8 V. D.- Hydrocarbon resistant - Inductance <=/= 0,90 mH/Km- Capacitance <=/= 0,075 microF/Km	

Weight and diameter are theoretical + / - 10%