

INSTRUMENTATION CABLE
Cu, XLPE insulated, individual and overall screen, LSZH bedding, SWB, LSZH outer sheath
IEC60332.3, IEC60754, IEC61034

Type	Rt-Cu/XLPE/IS/OS/LSZH/SWB/LSZH 0,6/1Kv	6X2X 1,5sqmm
	RE4XHOHM1AM1 0,6/1Kv	
Conductor :	Stranded tinned copper conductor acc. to IEC60228 cl.2 size	1,5sqmm (7x0,53)
	Diam.	1,55 mm
Insulation :	Cross-linked XLPE extruded compound	- Temperature range -15 + 90°C
	Thickness :	0,7 mm - Temperature laying -5 + 90°C
Laying up :	Twisted to pair, color Blue - Black numbered (or to be agreed)	
Pair/Triad screen	Applied over the single pair/triad 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 sizq 0,5sqmm, over the screen will be placed a further Mylar tape.	
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 sizq 0,5sqmm.	
Bedding :	M1, Low Smoke Zero Halogen emission extruded compound	
	Thickness :	1,0 mm
Armour :	SWB, Galvanized steel braid wires	
	Thickness :	0,3 mm
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound	
	Color :	Black (or to be agreed)
	Thickness :	2,0 mm
	Overall diameter :	24 mm
	Total weight :	930 Kg/Km

Marking :

On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.

Performance :	- Conductor resistance	13,7 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	10 V. D.	
	- Hydrocarbon and UV resistant		
	- Inductance </=	0,90 mH/Km	
	- Capacitance </=	0,075 microF/Km	

Weight and diameter are theoretical + / - 10%