

INSTRUMENTATION CABLE
Cu, PE insulated, individual and overall screen, PE bedding, SWA, LSZH outer sheath
IEC60332.1, EN50288-7

Type	R-Cu/PE/IS/OS/PE/SWA/LSZH 300/500V	2X2X 1,5sqmm
	REXHOHEFM1 300/500V	
Conductor :	Stranded plain copper conductor according to IEC60228 cl.2 size 1,5sqmm (7x0,53) Diam. 1,55 mm	
Insulation :	Polyethylene extruded compound	- Temperature range -20 + 70°C
	Thickness : 0,5 mm	- Temperature laying -5 + 70°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 size 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 size 0,5sqmm.	
Bedding :	PE, Polyethylene extruded compound Thickness : 1,0 mm	
Armour :	SWA, Galvanized steel round wires Thickness : 0,9 mm	
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound Color : Blue (or to be agreed) Thickness : 1,6 mm Overall diameter : 17 mm Total weight : 400 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 IEC60332.1, CEI20-35		
	- Low smoke and halogen free as per IEC60754-2, CEI20-37/2		
	- Low smoke density emission IEC61034-1/2		
	- Minimum bending radius	14 V. D.	
	- Hydrocarbon and UV resistant		
	- Inductance </=	0,90 mH/Km	
	- Capacitance </=	0,075 microF/Km	

Weight and diameter are theoretical + / - 10%