

INSTRUMENTATION CABLE**Cu, MGT , XLPE insulated, overall screen, LSZH bedding, SWA, LSZH outer sheath
IEC60331-21, IEC60332.3**

Type	R-Cu/MGT/XLPE/OS/LSZH/SWA/LSZH 300/500V RTE4OHM1FM1 300/500V
Conductor :	Stranded red copper conductor according to IEC60228 cl.2 size 0,75sqmm (7x0,37) Diam. 1,12 mm
Insulation :	MGT tape, cross-linked XLPE extruded compound - Temperature range -20 + 90°C Thickness : 0,6 mm - Temperature laying -5 + 90°C
Laying up :	Twisted to pairs, White-Black, Twisted to core White-Black-Red
Pair screen	
Overall screen	Over the multipair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/mylar tape and further mylar tape.
Bedding :	M1, Low Smoke Zero Halogen emission extruded compound Thickness : 1,0 mm
Armour :	SWA, Galvanized steel round wires
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound Colour : Blue
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 2 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- Hydrocarbon and UV resistant- Cable for intrinsically safe application- Inductance $\leq 0,90$mH/Km- Capacitance $\leq 0,11$microF/Km- This cable is suitable to be used in ATEX area following the prescription of EN60079-14

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Technical data & Electrical properties at 20°C

DESCRIPTION	Sheath thickness	Ext.Dia m mm	W. Kg/Km	Armour Diam.	Bendin g radius
RTE4OHM1FM1 300/500V 2X0,75	1,4	13,6	260	0,90	218
RTE4OHM1FM1 300/500V 3X0,75	1,4	14	300	0,90	224

Weight and diameter are theoretical +/- 10%