

### RDL 50-7/8RM – Fire resistant LSOH Jacket

### M5632Z

#### Description

Inner Conductor:	Copper tube	9.3 mm
Dielectric:	Foam Polyethylene	22.5 mm
Outer Conductor:	Overlapping copper foil with slots	
Jacket:	Low smoke Zero Halogen Compound	27.2 mm
Ink Marking:	ACOME RADIACELL COAX LSOH RDL 50-7/8RM M5632 LOT X lot N° (+ Metric length)	



#### Electrical Characteristics

Impedance:		$50 \pm 2\Omega$
VSWR:	380~450MHz	$\leq 1.3$
	790~960MHz	$\leq 1.3$
	1700~1900MHz	$\leq 1.3$
	1920~2025MHz	$\leq 1.3$
	2110~2200 MHz	$\leq 1.4$
	2300~2500 MHz	$\leq 1.3$
	2560~2620 MHz	$\leq 1.3$
Velocity:	Typical	88%
Dielectric Constant:	Typical	1.3
DC Breakdown Voltage:		10 kV
Insulation Resistance:		>5000 M $\Omega$ .km

Frequency (MHz)	Attenuation (dB/100m) @ 20 °C Typical	Coupling Loss (50%) dB, $\pm 5$	Coupling Loss (95%) dB, $\pm 5$
450	2.65	72	82
800	4.10	71	78
870	4.20	68	75
900	4.25	68	75
960	4.60	63	68
1800	7.50	61	67
2000	8.50	63	68
2200	9.00	63	68
2400	10.20	60	67
2600	11.50	64	69

#### Mechanical Characteristics

Bending Radius:	Operating	550 mm – Min
	Installation	350 mm – Min
Packaging:		500 m

1. The Max. attenuation is typical  $\times 1.05$ .

#### Environmental Characteristics

Temperature Range:	Operating	-30 °C / +80 °C
	Installation	-20 °C / +60 °C
	Storage	-30 °C / +80 °C
Fire resistance:	IEC 60332-1 / 60332-3C	
Smoke toxicity:	IEC 60754-2	
Smoke density:	IEC 61034	
Test Methods:	IEC 61196	