

## RDL 50-1/2RM – High Fire Resistant LSOH Jacket M5614Z

### Description

Inner Conductor:	Copper-clad aluminum	4.8 mm
Insulation:	Physically foamed PE	12.2 mm
Outer Conductor:	Overlapping copper foil with slots	
Jacket:	High Fire resistant Low Smoke Zero Halogen Compound	15.7 mm
Ink Marking:	<b>ACOME RADIACELL COAX LSOH RDL 50-1/2RM</b> M5614 LOT X lot N° (+ Metric length)	



### Electrical Characteristics

Impedance:		50 ± 2 Ω
VSWR:	694~960MHz	≤ 1.38
	1770~1950MHz	≤ 1.38
	2110~2200MHz	≤ 1.38
	2350~2500MHz	≤ 1.38
	2560~2700MHz	≤ 1.38
Capacitance:		76 pF/m
Velocity:	Typical	88%
Cut Off Frequency:		8.8 GHz
DC Breakdown Voltage:		3 kV
Insulation Resistance:		≥5000 MΩ.km

Frequency (MHz)	Attenuation (dB/100m) @ 20°C Typical	Coupling Loss (50%) @ 20°C dB	Coupling Loss(95%) @ 20°C dB
700	6.98	70	72
800	7.33	75	80
900	7.89	74	78
1800	12.46	66	71
2000	14.47	66	75
2200	17.11	73	80
2400	22.49	68	75
2600	30.67	60	67
2700	27.50	60	67

### Mechanical Characteristics

Bending Radius:	150 mm
Tensile force:	1300 N
Weight:	235 kg/km

### Environmental Characteristics

Temperature Range:	Operating	-30°C / +80°C
	Installation	-25°C / +60°C
	Storage	-30°C / +80°C
pH:	IEC 60754-2	≥4.3
Conductivity:	IEC 60754-2	≤10 μs/mm
Acid gas emission test:	IEC 60754-1	≤5.0 mg/g
Smoking density test (Min. photic rate)	IEC 61034-2	≥60%
Flame retardant	IEC 60332-1, IEC 60332-3-24	