



Rodent Resistant

**New 50 Ohm Rodent Resistant
Lightweight & Watertight
Low Loss High Performance Coaxial Cables:**

- LMR-400-DB-RR
- LMR-600-DB-RR
- LMR-900-DB-RR



Times Microwave Systems has added a new series of rodent resistant designs to the family of LMR low-loss flexible coaxial cables.

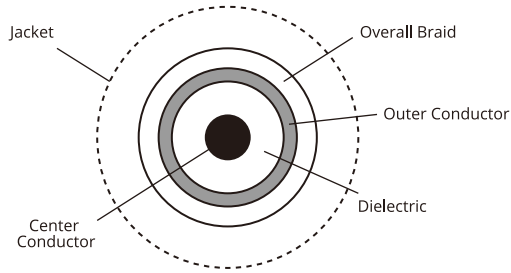
These new LMR-DB-RR products utilize a non-hazardous, non-toxic additive which deters rodents and other pests from chewing and gnawing on cable jackets, which lead to damage and eventual failure in RF systems. The added waterblocking feature in this design allows the cable to be used in high moisture and extreme environments. Low-Smoke, Non-Halogen FR designs are also available upon request.

Benefits:

- Non Hazardous, non-toxic Rodent Resistant Design
- Low-Loss, Excellent RF shielding
- -40°C to +85°C Operating Range
- Sunlight and UV Resistant
- Waterproofing Compound for Continuous Reliable Service in Outdoor Environments
- Excellent Environmental Stability
- Uses Same Connectors and Accessories as Standard LMR[®]



LMR[®]-DB-RR Specifications:



Construction:

Center Conductor:

Solid Bare Copper Clad Aluminum (400/600)

Tubular Bare Copper (900)

Dielectric: Gas Injected Foam Polyethylene

Outer Conductor: Aluminum/Polyester/Aluminum

Overall Braid: TC Braid

Jacket: Rodent Repel[®] non-toxic, rodent repellent, weather resistant black PE with Braid Sealent - Waterproofing Compound

	LMR-400-DB-RR		LMR-600-DB-RR		LMR-900-DB-RR	
Physical Specifications						
Description	in	mm	in	mm	in	mm
Overall Diameter	0.405	10.29	0.59	14.99	0.87	22.10
Bend Radius	1	25.40	1.5	38.1	3	76.20
Weight	68 lbs per 1000ft		131 lbs per 1000ft		266 lbs per 1000ft	
Environmental Specifications						
Operating Temp. Range	-40°C to +85°C					
Electrical Specifications						
Velocity of Propagation	84%		85%		87%	
Impedance	50 ohms		50 ohms		50 ohms	
Capacitance	23.9pF/ft		23.4pF/ft		23.4pF/ft	
Center Conductor DC Resistance	1.39 ohms/1000ft		0.53 ohms/1000ft		0.54 ohms/1000ft	
Outer Conductor DC Resistance	1.65 ohms/1000ft		1.2 ohms/1000ft		0.55 ohms/1000ft	
Frequency (MHz)	dB/100ft	dB/100m	dB/100ft	dB/100m	dB/100ft	dB/100m
30	0.7	2.3	0.4	1.3	0.29	0.95
50	0.9	3.0	0.5	1.6	0.37	1.21
150	1.5	4.9	1.0	3.3	0.66	2.16
220	1.8	5.9	1.2	3.9	0.8	2.62
450	2.7	8.9	1.7	5.6	1.17	3.84
900	3.9	12.8	2.5	8.2	1.7	5.58
1500	5.1	16.7	3.3	10.8	2.24	7.35
2000	6.0	19.7	3.9	12.8	2.63	8.63
2500	6.8	22.3	4.4	14.4	2.98	9.77
5800	10.8	35.4	7.3	23.9		



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