

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.

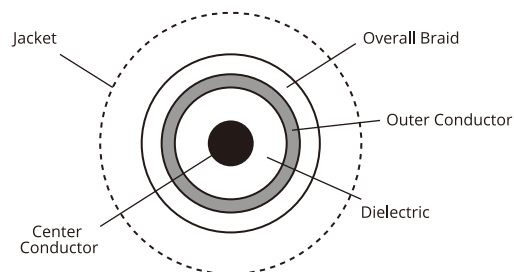
These new LMR-DB-RR products utilize a non-hazardous, non-toxic additive which deters rodents and other pests from chewing and gnawing on cable jackets, which lead to damage and eventual failure in RF systems. The added waterblocking feature in this design allows the cable to be used in high moisture 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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Mouser Electronics

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