

LMR[®]-lite

ISO 9001 Certified

NEW 50 Ohm Lightweight Low Loss High Performance Coaxial Cables;

- LMR-LW195
- LMR-LW200
- LMR-LW240
- LMR-LW400
- LMR-LW600



LMR[®]-lite 50 ohm lightweight low loss coaxial cables employ an aluminum braid shield instead of the traditional tinned copper shield. Specially designed and engineered with an excellent combination of electrical, physical and mechanical properties that reduces weight and cost dramatically without sacrificing performance, the optimized aluminum braid shield on LMR[®]-lite provides for an extremely cost effective solution for many applications. Since the outer conductor is the same aluminum/polyester/aluminum tape as standard LMR[®] cable, the resulting attenuation is the same.

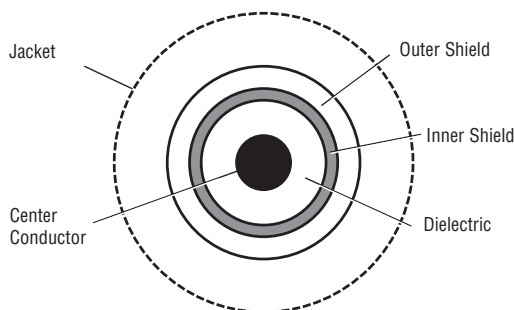
LMR[®]-lite uses the same connectors, tools and installation accessories as standard LMR[®] cable making it a complete system that can be used virtually anywhere high performance coaxial cables are needed. This includes internal equipment wiring, interconnects, cabinet, base station and antenna feeders, in-building runs and rooftop installations.

LMR[®]-lite cables are suitable for use in virtually all types of wireless applications including land mobile, cellular, PCS, paging, WISP, WiFi, WiMax, WLL, wireless data, SCADA and more.

Features:

- 30% Weight Savings
- Lower Cost
- Easier Handling for Faster Installation
- Compatible with Standard LMR[®] Connectors, Prep Tools and Accessories
- 5 Year Warranty

LMR[®]-lite Specifications:



Construction

Center Conductor: Solid Bare Copper for LMR-LW195 through LMR-LW240
Copper-Clad Aluminum for LMR-LW400 and LMR-LW600

Dielectric: Closed Cell Low Density Foam PE

Inner Shield: Aluminum/Polyester/Aluminum

Outer Shield: Aluminum Braid

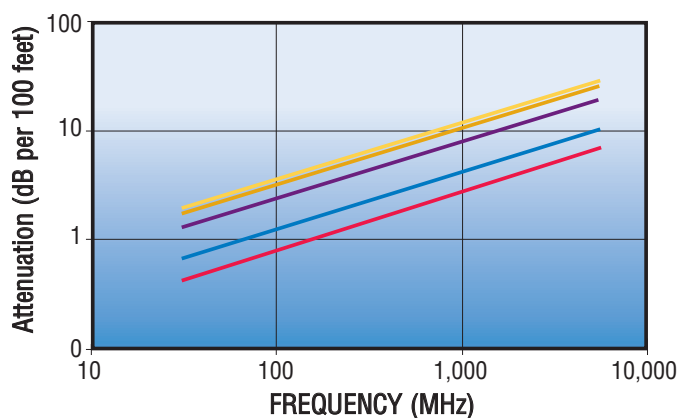
Jacket: Black UV & Sunlight Resistant Polyethylene

Benefits

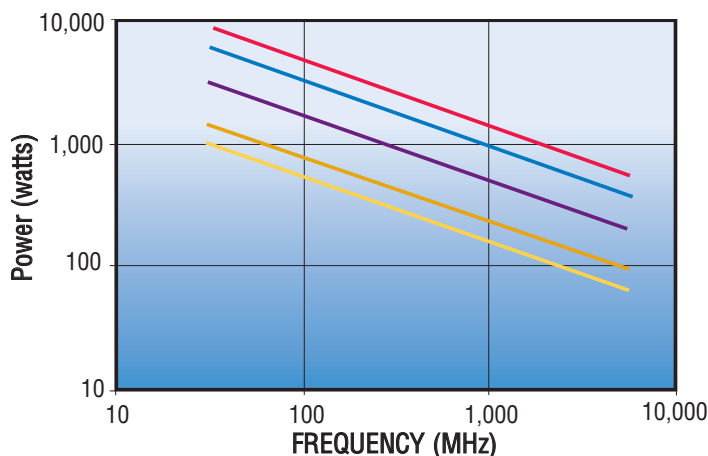
- Low Loss
- -40°C to +85°C Operating Range
- Lightweight for Low Shipping Cost and Ease of Handling
- Excellent Environmental Stability
- Uses same Connectors and Accessories as Standard LMR[®] Cable

	LMR-LW 195	LMR-LW 200	LMR-LW 240	LMR-LW 400	LMR-LW 600
Physical Specifications					
Overall Diameter: in (mm)	0.195 (4.95)	0.195 (4.95)	0.240 (6.10)	0.405 (10.29)	0.590 (14.99)
Bend Radius: in (mm)	0.5 (12.7)	0.5 (12.7)	0.75 (19.1)	1.0 (25.4)	1.5 (38.1)
Weight: lbs/1000ft (lb/km)	14.7 (48)	14.7 (48)	25.8 (85)	50.4 (165)	99.0 (325)
Environmental Specifications					
Operating Temp. Range	-40°F + 185°F (-40°C + 85°C)				
Electrical Specifications					
Velocity of Propagation	80	83	84	85	87
Impedance	50 Ohms				
Capacitance: pF/ft (pF/m)	24.3 (79.7)	24.5 (80.4)	24.2 (79.4)	23.9 (78.0)	23.4 (76.8)
Center Conductor DC Resistance	7.6 (24.9)	5.4 (17.6)	3.2 (10.5)	1.4 (4.6)	0.53 (1.7)
Shield (s) DC Resistance	18.1 (59.4)	18.1 (59.4)	14.1 (47.2)	6.1 (20.0)	4.4 (14.6)
Test Frequency	.03 GHz to 5.8 GHz				

ATTENUATION vs. FREQUENCY



MAXIMUM POWER HANDLING vs. FREQUENCY



LMR-LW195 — Yellow — LMR-LW400 — Blue
 LMR-LW200 — Orange — LMR-LW600 — Red
 LMR-LW240 — Purple



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