

## What is LMR type cables?

LMR type cables are high performance broadband, flexible, low loss 50 Ohm coaxial communication cables designed for use in wireless applications such as :

- 2-way land mobile
- IEEE, 802.11a & 802.11b
- Cellular
- Wireless local loop
- PCS
- LMDS
- Wireless Internet (WISP)
- MMDS
- Broadband wireless data
- Telemetry

LMR is a complete system of cables, connectors, installation tools and accessories everything you need to make your job simple and successful.

## Where can LMR® cables be used?

LMR type cables can be used virtually anywhere high performance coaxial cables are used, including :

- Internal component and equipment wiring
- Inter/intra cabinet jumpers
- Base station and antenna jumpers
- Tower and pole feeder runs
- In-building runs, including riser runs and air-handling plenums
- Rooftop installations

## What sizes of LMR type cables are available?

A full range of LMR cables are available from LMR-100 (0.100") all the way up to LMR-1700-DB (1 1/4"). Because LMR type cables are so flexible, it's possible to eliminate jumpers entirely in many feeder cable applications. The elimination of jumper cables provides reduced cost, better reliability and lower cost- or may even allow the use of a smaller size feeder cable, while achieving the same loss as for a larger corrugated feeder.

## What are the advantages of LMR type cable?

LMR type cables have RF performance comparable to traditional corrugated copper cables, but unlike corrugated cables they are highly flexible, non-kinking, and offer unsurpassed ease and speed of connector installation. Compared to RG type braided cables, LMR cables offer far lower loss and better RF shielding. These features make LMR cables the best choice for *any* wireless application.

# Low Loss Cables Series (LMR type)

# HD-TECH



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Cable Model	Diameter in Inches	Jacket Material	Shielding (dB)	*Attenuation (dB/100')			
				30 MHz	146 MHz	440 MHz	2.4 GHz
LMR <sup>®</sup> 900	.870	Black PE	90	.29	.65	1.2	2.9
LMR <sup>®</sup> 600	.590	Black PE	90	.42	.95	1.7	4.3
LMR <sup>®</sup> 400	.405	Black PE	90	0.7	1.5	2.7	6.6
Air Dielectric 9913	.405	PVC	90	0.8	1.5	2.8	7.5
9914	.403	PVC	90	1.0	2.1	3.8	8.7
RG-214	.425	PVC-IIA	60	1.2	2.8	5.1	13.7
RG-213	.405	PVC-IIA	40	1.2	2.8	5.1	13.7
LMR <sup>®</sup> 240	.240	Black PE	90	1.3	3.0	5.2	12.7
RG-8/X	.242	PVC	40	2.0	4.5	8.1	21.6
LMR <sup>®</sup> 200	.195	Black PE	90	1.8	3.9	6.9	16.5
LMR <sup>®</sup> 195	.195	Black PE	90	2.0	4.4	7.7	18.6
RG-58	.195	PVC-IIA	40	2.5	6.1	10.4	35.0
LMR <sup>®</sup> 100A	.105	Black PVC	90	3.9	8.8	15.6	38.9
RG-174	.110	PVC-IIA	40	5.5	13.0	25.0	75.0

LMR features: Watertight foam polyethylene dielectric • Non-kinking • EZ install connectors  
\*Use calculator at [www.timesmicrowave.com](http://www.timesmicrowave.com) for loss at any frequency

Full LMR type cables comparator and specifications : [PDF](#)



Standard Low Loss cables LMR type 50 ohms :

LMR100	<a href="#">PDF</a>
LMR195	<a href="#">PDF</a>
LMR200	<a href="#">PDF</a>
LMR240	<a href="#">PDF</a>
LMR300	<a href="#">PDF</a>
LMR400	<a href="#">PDF</a>
LMR500	<a href="#">PDF</a>
LMR600	<a href="#">PDF</a>
LMR900	<a href="#">PDF</a>
LMR1200	<a href="#">PDF</a>
LMR1700	<a href="#">PDF</a>

Others Low Loss cable LMR type available versions :

- « Lite »
- « Ultraflex »
- « 75 ohms »
- « High Power »
- « Low Loss Plenum »
- « Low PIM »

Feel free to contact us for any inquiries about HD-TECH, our products, members and tailor-made services, request for quote, shipping, stock checking, ect... See our complete details on next page.