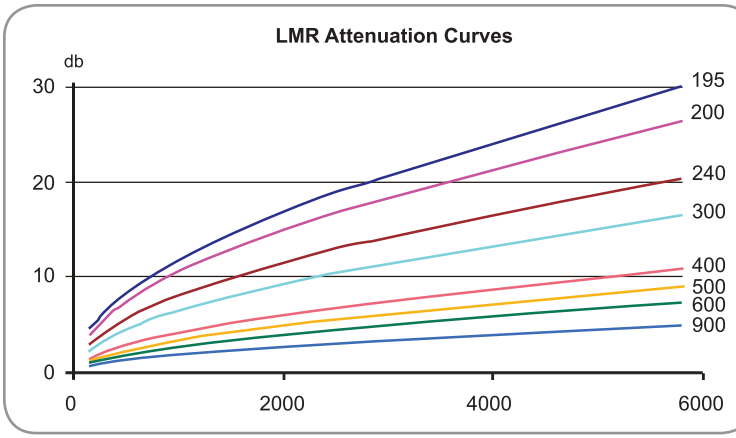
Times Microwave LMR™ Low-Loss Coax for Wireless Applications

LMR Jacket Options

- "d" -foil/braid w/waterproofing compound around the foil/braid
- "f" -Non-halogen, low smoke, "CMP/MPP" and CSA 'FT4' rated
- "r" -Fire retardant, PVC, less expensive alternative to "f"
- "p" -PVC jacket, more flexible than PE jacket (also available in white)



LMR™	195	200	240	300	400	500	600	900
Center Conductor	Bare Copper Clad Steel	Bare Copper	Bare Copper	Bare Copper	Bare Copper Clad Aluminum	Bare Copper Clad Aluminum	Bare Copper Clad Aluminum	Bare Copper Tube
Dimension in. (mm)	.037 (.94)	.044 (1.12)	.056 (1.42)	.070 (1.78)	.108 (2.74)	.142 (3.61)	.176 (4.47)	.262 (6.65)
Dielectric	Foam PE	Foam PE	Foam PE	Foam PE	Foam PE	Foam PE	Foam PE	Foam PE
Outer Conductor	Al Tape	Al Tape	Al Tape	Al Tape	Al Tape	Al Tape	Al Tape	Al Tape
Braid	Tinned Cu	Tinned Cu	Tinned Cu	Tinned Cu	Tinned Cu	Tinned Cu	Tinned Cu	Tinned Cu
Jacket (options)	PE (d,f,r,p)	PE (d,f,r,p)	PE (d,f,r,p)	PE (d,f,r,p)	PE (d,f,r,p)	PE (d,f)	PE (d,f)	PE (d,f)
Bend Rad. in. (mm)	0.5 (12.7)	0.5 (12.7)	0.75 (19.1)	0.88 (22.2)	1.0 (25.4)	1.25 (31.8)	1.50 (38.1)	3.00 (76.2)
Rptd Bend Rad. in. (mm)	2.0 (50.8)	2.0 (50.8)	2.5 (63.5)	3.0 (76.2)	4.0 (101.6)	5.0 (127.0)	6.0 (152.4)	9.0 (228.6)
Outside Rad in. (mm)	.195 (4.95)	.195 (4.95)	.240 (6.10)	.300 (7.62)	.405 (10.29)	.500 (12.7)	.590 (14.99)	.870 (22.10)
Impedance	50	50	50	50	50	50	50	50
Velocity of Propagation	80%	83%	84%	85%	85%	86%	87%	87%
Capacitance (@1GHz)	24.3	24.5	24.2	24.1	23.9	23.6	23.4	23.4
Max Voltage vrms	1000	1000	1500	2000	2500	3000	4000	5000
Shielding (dB)	>90	>90	>90	>90	>90	>90	>90	>90
Temperature range °C	-40+85	-40+85	-40+85	-40+85	-40+85	-40+85	-40+85	-40+85
Cutoff Freq (GHz)	41	39	31	24.5	16.2	12.6	10.3	6.9
Attenuation (dB/100 ft)								
150MHz	4.4	4.0	3.0	2.4	1.5	1.2	1.0	0.7
450MHz	7.8	7.0	5.3	4.2	2.7	2.2	1.7	1.2
900MHz	11.1	9.9	7.6	6.1	3.9	3.1	2.5	1.7
1800MHz	16	14.2	10.9	8.7	5.7	4.6	3.7	2.5
2500MHz	19	16.9	12.9	10.4	6.8	5.5	4.4	3.0
5800MHz	29.9	26.4	20.4	16.5	10.8	8.9	7.3	4.9
Power (kW)								
150MHz	0.39	0.45	0.66	0.92	1.5	1.93	2.4	3.89
450MHz	0.22	0.26	0.38	0.52	0.83	1.09	1.35	2.19
900MHz	0.15	0.18	0.26	0.36	0.58	0.75	0.93	1.51
1800MHz	0.11	0.13	0.18	0.25	0.40	0.52	0.63	1.03
2500MHz	0.09	0.11	0.15	0.21	0.33	0.43	0.52	0.86
5800MHz	0.06	0.07	0.10	0.13	0.21	0.26	0.32	0.52

Times Microwave LMR cable is a broadband, flexible 50 Ohm RF coax cable designed for wireless communications applications such as LMDS, MMDS, WLL, GPS, LMR, Cellular, PCS and Paging. Times LMR is used in a variety of situations, including equipment interconnects, cabinet jumpers, base station and antenna jumpers, tower and pole feeder runs and inside buildings-including risers and air-handling plenums.