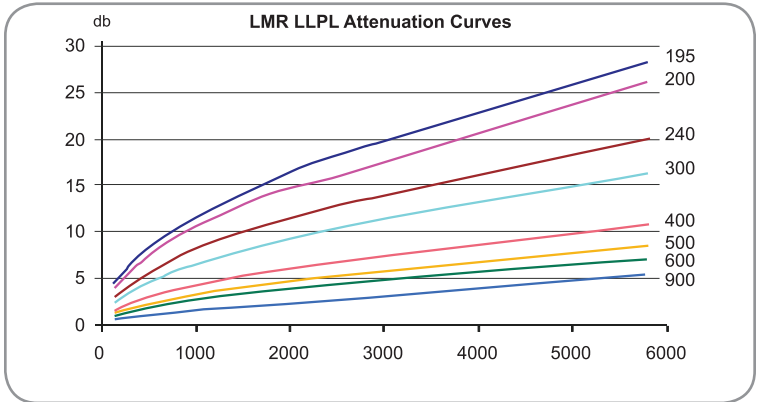




Times Microwave LMR™ LLPL “Plenum” Low-Loss Coax for Wireless Applications



- Good flexibility, 90dB shielding with very low attenuation
- Low Density Teflon dielectric, FR-PVC jacket
- UL/NEC & CSA rated CMP/MPP and FT6
- SRC offers more connector options



LMR™ Plenum	195	200	240	300	400	500	600	900
Center Conductor	Bare Copper	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)	.040 (1.02)	.051 (1.30)	.063 (1.60)	.095 (2.41)	.123 (3.12)	.150 (3.81)	.310 (7.87)
Dielectric	LD PTFE	LD PTFE	LD PTFE	LD PTFE	LD PTFE	LD PTFE	LD PTFE	LD PTFE
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	FR-PVC	FR-PVC	FR-PVC	FR-PVC	FR-PVC	FR-PVC	FR-PVC	FR-PVC
Bend Rad. in. (mm)	0.5 (12.7)	0.5 (12.7)	0.75 (19.1)	0.875 (22.2)	1.0 (25.4)	1.25 (31.8)	1.50 (38.1)	6.0 (152.4)
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)	12.0 (304.8)
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	76%	76%	76%	76%	76%	76%	76%	76%
Capacitance (@1GHz)	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
Max Voltage vrms	1000	1000	1000	2000	2500	3000	4000	9000
Shielding (dB)	>90	>90	>90	>90	>90	>90	>90	>90
Temperature range °C	-5+75	-5+75	-5+75	-5+75	-5+75	-5+75	-5+75	-5+75
Cutoff Freq (GHz)	36	36	28	23	15	11.6	9.4	4.6
Attenuation (dB/100 ft)								
150MHz	4.4	4.1	3.1	2.5	1.6	1.3	1.0	0.5
450MHz	7.8	7.1	5.4	4.3	2.8	2.2	1.8	1.0
900MHz	10.9	10.0	7.6	6.2	4.0	3.1	2.6	1.4
1800MHz	15.4	14.3	10.9	8.9	5.7	4.5	3.7	2.1
2500MHz	18.3	16.0	12.9	10.5	6.8	5.4	4.4	2.5
5800MHz	28.2	26.1	20.0	16.4	10.7	8.5	7.1	5.4
Power (kW)								
150MHz	0.31	0.34	0.52	0.77	1.48	2.21	3.08	10.17
450MHz	0.18	0.19	0.30	0.44	0.84	1.26	1.75	5.66
900MHz	0.12	0.14	0.21	0.31	0.59	0.88	1.22	3.86
1800MHz	0.09	0.10	0.15	0.21	0.41	0.61	0.84	2.60
2500MHz	0.07	0.08	0.12	0.18	0.34	0.51	0.70	2.15
5800MHz	0.05	0.05	0.08	0.11	0.22	0.32	0.44	0.77

LMR “LLPL” is optimized for low loss and tight bends for runs through air handling areas, dropped ceilings or raised flooring. LMR Plenum is rated CMP/MPP and FT6 (UL/NEC and CSA), versus LMR ‘FR’ which is FT4. Black-jacketed versions are also available for outdoor environments.