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TowerFlex Series Cables

LMR Low Loss TowerFlex Series Cable



MegaPhase's Low Loss TowerFlex Series coaxial cables feature a closed micro-cell polyethylene dielectric and provide an excellent flexible solution for communication systems. Low Loss Tower Series Cables are cost effective and are available with most standard RF/Microwave connectors including SMA, Type N and TNC . Standard jacketing is UV Resistant Polyethylene.

Frequency (GHz)	Band	VSWR* (x.xx:1)	Conn.Loss (dB/ea)	LMR 195 dB/ft	LMR 240 dB/ft	LMR 400 dB/ft	LMR 600 dB/ft	LMR 900 dB/ft
0.5	UHF	1.05	0.02	.082	.056	.029	.018	.014
1.0	L	1.10	0.03	.12	.080	.041	.027	.019
2.0	S	1.15	0.04	.17	.12	.060	.039	.026
6.0	C	1.20	0.06	.31	.21	.11	.074	.050
12.0	X	1.25	0.10	.45	.31	.17	-	-
18.0	Ku	1.35	0.12	.56	.38	-	-	-

Electrical Data	LMR 195	LMR 240	LMR 400	LMR 600	LMR 900
Frequency, max. (GHz)	41.0	31.0	16.2	10.3	6.9
Impedance, nominal (Ω)	50	50	50	50	50
Propagation Velocity, nominal (%)	80	84	85	87	87
Capacitance, nominal pF/ft	25.4	24.2	23.9	23.4	23.4
Shielding Effectiveness, min. (dB)	-90	-90	-90	-90	-90

Mechanical Data	LMR 195	LMR 240	LMR 400	LMR 600	LMR 900
Finished Diameter, nominal, in	0.195	0.240	0.405	0.590	0.870
Bend Radius, min., in	0.50	0.75	1.00	1.50	3.00
Temperature Range, min., °C	-40-+85	-40-+85	-40-+85	-40-+85	-40-+85
Weight, nominal, lbs/ft	0.021	0.034	0.068	0.131	0.266

Construction	
Inner Conductor	Solid Copper (195 and 240) Solid Copper Clad Aluminum (400 and 600) BC Tube (900)
Dielectric	Closed Micro-cell Foam PE
Outer Conductor	Al-poly Foil / Sn-plated Cu Round Braid
Outer Jacket	UV Resistant Polyethylene
*Connectors Available (Plugs)	SMA,(195 Thru 400) Type N, TNC (all),7-16 (900)

* Other connectors available upon request

