

### Attenuation ( dB per 100 feet ; +25C )

	2 1/4" LDF	1 5/8" LDF	1 1/4" LDF	LMR-1700	7/8" LDF	LMR-1200	LMR-900	1/2" LDF	LMR-600	LMR-500	1/2" SuperFlex	3/8" LDF	LMR-400	3/8" SuperFlex	Belden 9913	ULTRA-LINK™	RG213/ RG214	1/4" SuperFlex	LMR-300	LMR-240	Belden RG8X	LMR-200	ULTRA-LINK	LMR-195	RG-58	LMR-100A
Frequency / Size	2.350"	1.980"	1.550"	1.670"	1.090"	1.200"	0.870"	0.630"	0.590"	0.500"	0.520"	0.440"	0.405"	0.415"	0.405"	0.405"	0.405"	0.300"	0.300"	0.240"	0.242"	0.195"	0.195"	0.195"	0.195"	0.110"
30 MHz	0.096*	0.120	0.147	0.149	0.197	0.209	0.288	0.369	0.421	0.54	0.561	0.567	0.7	0.654	0.8	0.7	1.2	0.98	1.1	1.3	2.0	1.8	2.5	2.0	2.5	3.9
50 MHz	0.125*	0.156	0.191	0.195	0.257	0.272	0.374	0.479	0.547	0.70	0.730	0.736	0.9	0.848	0.9	--	1.6	1.27	1.4	1.7	2.5	2.3	--	2.6	3.1	5.1
150 MHz	0.227*	0.280	0.340	0.347	0.458	0.481	0.658	0.845	0.964	1.22	1.29	1.30	1.5	1.49	1.6	1.5	2.8	2.23	2.4	3.0	4.7	4.0	5.1	4.4	6.2	8.9
220 MHz	0.281*	0.345*	0.416*	0.427	0.560*	0.589	0.803	1.05*	1.18	1.49	1.58*	1.59*	1.8	1.82*	--	--	3.5	2.72	2.9	3.7	6.0	4.8	--	5.4	7.4	10.9
450 MHz	0.422	0.515	0.617	0.632	0.834	0.864	1.17	1.51	1.72	2.17	2.32	2.30	2.7	2.66	2.8	2.7	5.2	3.93	4.2	5.3	8.6	7.0	9.5	7.8	10.6	15.8
700 MHz	--	--	--	0.609	--	1.10	1.48	--	2.18	2.77	--	--	3.42	--	--	--	--	--	5.1	6.6	--	8.7	--	9.8	--	20.0
900 MHz	0.641*	0.767*	0.912*	0.936	1.23*	1.27	1.70	2.21*	2.50	3.13	3.41*	3.36*	3.9	3.86*	4.2	4.19	8.0	5.67*	6.1	7.6	12.8	9.9	14.0	11.1	16.5	22.8
1,500 MHz	0.879*	1.050	1.22	1.26	1.66	1.69	2.24	2.93	3.31	4.13	4.57	4.43	5.1	5.12	5.6	--	--	7.47	7.9	9.9	--	12.9	--	14.5	--	30.0
2,000 MHz	1.058*	1.250	1.45	1.50	1.97	1.99	2.63	3.45	3.90	4.84	5.41	5.21	6.0	6.01	6.7	--	--	8.73	9.2	11.5	--	15.0	--	16.9	--	35.0
2,500 MHz	--	1.440	1.68*	1.71	2.27*	2.26	2.98	3.91*	4.42	5.48	6.17*	5.91*	6.8	6.84*	--	6.8*	--	9.85*	10.4	12.9	--	16.9	37*	19.0	--	40.0

Attenuation at Any Frequency = [ k1 x SqRt (Fmhz) ] + [ k2 x Fmhz ] or use Performance Calculator at [www.timesmicrowave.com](http://www.timesmicrowave.com)

k1				0.02646		0.03737	0.05177		0.07555	0.09659			0.12229						0.19193	0.24208		0.32090		0.35686		0.70914	
k2				0.00016		0.00016	0.00016		0.00026	0.00026			0.00026							0.00033	0.00033		0.00033		0.00047		0.00174

### Power Handling ( kW ; +40C ; Sea Level )

	2 1/4" LDF	1 5/8" LDF	1 1/4" LDF	LMR-1700	7/8" LDF	LMR-1200	LMR-900	1/2" LDF	LMR-600	LMR-500	1/2" SuperFlex	3/8" LDF	LMR-400	3/8" SuperFlex	Belden 9913	ULTRA-LINK	RG213/ RG214	1/4" SuperFlex	LMR-300	LMR-240	Belden RG8X	LMR-200	ULTRA-LINK	LMR-195	RG-58	LMR-100A
Frequency / Size	2.350"	1.980"	1.550"	1.670"	1.090"	1.200"	0.870"	0.630"	0.590"	0.500"	0.520"	0.440"	0.405"	0.415"	0.405"	0.405"	0.405"	0.300"	0.300"	0.240"	0.242"	0.195"	0.195"	0.195"	0.195"	0.110"
30 MHz	39.5*	28.9	21.1	20.3	14.0	12.6	8.9	6.31	5.5	4.4	5.75	4.14	3.3	3.97	2.2	--	1.8	2.28	2.1	1.49	0.35	1.02	4.0	0.89	0.40	0.23
50 MHz	30.2*	22.1	16.2	15.6	10.7	9.7	6.8	4.85	4.3	3.4	4.42	3.19	2.6	3.06	1.7	--	1.2	1.76	1.6	1.15	0.28	0.79	--	0.68	0.30	0.18
150 MHz	16.7*	12.3	9.09	8.7	6.04	5.5	3.9	2.75	2.4	1.9	2.49	1.81	1.5	1.74	0.90	--	0.62	1.00	0.93	0.66	0.15	0.45	2.0	0.39	0.16	0.10
220 MHz	13.5*	13.5*	7.45*	7.1	4.94*	4.5	3.2	2.23*	1.9	1.6	2.04*	1.49*	1.2	1.44*	--	--	--	0.825*	0.76	0.54	--	0.37	--	0.32	--	0.08
450 MHz	8.91	6.71	5.01	4.8	3.32	3.1	2.2	1.53	1.3	1.1	1.38	1.02	0.83	0.975	0.45	--	0.30	0.567	0.52	0.38	0.08	0.26	1.0	0.22	0.08	0.06
700 MHz	--	--	--	3.8	--	2.4	1.7	--	1.1	0.85	--	--	0.66	--	--	--	--	--	0.43	0.30	--	0.21	--	0.18	--	0.05
900 MHz	5.90*	4.49*	3.39*	3.3	2.24	2.1	1.5	1.05*	0.93	0.75	0.944*	0.703*	0.58	0.674*	0.28	--	0.18	0.393*	0.36	0.26	0.05	0.18	0.65	0.15	0.05	0.040
1,500 MHz	4.29*	3.30	2.52	2.4	1.66	1.6	1.1	0.793	0.70	0.57	0.705	0.530	0.44	0.507	0.20	--	--	0.299	0.28	0.20	--	0.14	--	0.12	--	0.030
2,000 MHz	3.57*	2.76	2.13	2.0	1.40	1.3	1.0	0.673	0.59	0.49	0.597	0.451	0.37	0.431	0.16	--	--	0.255	0.24	0.17	--	0.12	--	0.10	--	0.025
2,500 MHz	--	2.40	1.84*	1.8	1.21*	1.2	0.9	0.594*	0.52	0.43	0.547*	0.398*	0.33	0.379*	--	--	--	0.225*	0.21	0.15	--	0.11	--	0.09	--	0.020

### General Performance Properties

	LMR-1700	LMR-1200	LMR-900	LMR-600	LMR-500	LMR-400	LMR-300	LMR-240	LMR-200	LMR-195	LMR-100A
Conductor: (note 1)	0.527*	0.349*	0.262*	0.176*	0.142*	0.108*	0.070*	0.056*	0.044*	0.037*	0.018*
Dielectric: Cellular PE (note 2)	1.350*	0.920*	0.680*	0.455*	0.370*	0.285*	0.190*	0.150*	0.116*	0.110*	0.060*
Shield: Aluminum Tape (note 3)	1.356*	0.926*	0.686*	0.461*	0.376*	0.291*	0.196*	0.155*	0.121*	0.116*	0.065*
Tinned Copper Braid	1.402*	0.972*	0.732*	0.490*	0.405*	0.320*	0.225*	0.178*	0.144*	0.139*	0.083*
Jacket: Black PE (note 4)	1.670*	1.200*	0.870*	0.590*	0.500*	0.405*	0.300*	0.240*	0.195*	0.195*	0.110*
Bend Radius (note 5)	13.5"	6.5"	3"	1.5"	1.25"	1"	0.75"	0.75"	0.50"	0.50"	0.25"
Weight(lbs/foot)	0.736	0.448	0.266	0.131	0.097	0.068	0.055	0.034	0.022	0.021	0.009
Temperature Range	-40°C to +85°C										
Impedance	50 Ohms										
Velocity (%)	89	88	87	87	86	85	85	84	83	80	66
Capacitance (pF per Foot)	22.8	23.1	23.4	23.4	23.6	23.9	23.9	24.2	24.5	25.4	30.8
DC Resistance: center conductor	0.21	0.32	0.54	0.53	0.82	1.39	2.12	3.20	5.36	7.58	81.0
(ohms/1000') : shield	0.27	0.37	0.55	1.20	1.27	1.65	2.21	3.89	4.90	4.90	9.5
Shielding	> 90 db										
Phase Stability	+/- 10 ppm/degC										

- NOTES:**
- (1) Center Conductor in LMR-900, LMR-1200 & LMR-1700 is Copper Tube  
Center Conductor in LMR-400, LMR-500 & LMR-600 is Copper Clad Aluminum  
Center Conductor in LMR-195, LMR-200, LMR-240 and LMR-300 is Bare Copper  
LMR-100A is BCCS
  - (2) Low loss closed cell polyethylene foam (LMR-100A solid polyethylene)
  - (3) Aluminum laminated tape bonded (LMR-100A unbonded) to the Dielectric with a Tinned Copper Overbraid
  - (4) Black UV protected polyethylene (LMR-100A black PVC)
  - (5) Less than 1 ohm impedance change at bend

Markings are the exclusive property of their respective owners.  
Competitor's Data As Published  
\*estimated from published data.