

Attenuation (dB per 100 feet)

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	LMR1200	LMR900	LMR600	1/2" FSJ4- 50B	RFP400 LMR400	Belden 9913F7	9914	RG214 RG213	RFP240 LMR240	Belden RG8X	LMR200	LMR195	RG58/ U
Frequency/ Size	1.200"	0.870"	0.590"	0.520"	0.405"	0.405"	0.400"	0.405"	0.240"	0.242"	0.195"	0.195"	0.195"
30 MHz	0.209	0.288	0.421	0.561	0.7	0.8	0.8	1.2	1.3	2.0	1.8	1.8	2.5
50 MHz	0.272	0.374	0.547	0.730	0.9	1.1	1.1	1.6	1.7	2.5	2.3	2.3	3.1
150 MHz	0.481	0.658	0.964	1.29	1.5	1.7	1.7	2.8	3.0	4.7	3.9	4.0	6.2
220 MHz	0.589	0.803	1.18	1.58	1.8	2.1	2.1	3.5	3.7	6.0	4.8	4.8	7.4
450 MHz	0.864	1.17	1.72	2.32	2.7	3.1	3.1	5.2	5.3	8.6	6.9	7.0	10.6
900 MHz	1.27	1.70	2.50	3.41	3.9	4.4	4.5	8.0	7.6	12.8	9.9	9.9	16.5
1,500 MHz	1.69	2.24	3.31	4.57	5.1	6.0			9.9		12.7	12.9	

Power Handling (kW; +40C; Sea Level; Continuous Duty Cycle)

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	LMR1200	LMR900	LMR600	1/2" FSJ4-50B	RFP400 LMR400	Belden 9913F7	RG213	RFP240 LMR240	Belden RG8X	LMR195	RG58/U	
Frequency/Size	1.200"	0.870"	0.590"	0.520"	0.405"	0.405"	0.405"	0.240"	0.242"	0.195"	0.195"	
30 MHz	12.6	8.9	5.5	5.75	3.3	2.2	1.8	1.49	0.35	1.02	0.40	
50 MHz	9.7	6.8	4.3	4.42	2.6	1.7	1.2	1.15	0.28	.79	0.30	
150 MHz	5.5	3.9	2.4	2.49	1.5	0.90	0.62	0.66	0.15	.45	0.16	
220 MHz	4.5	3.2	1.9	2.04	1.2	0.60		0.54		.37		
450 MHz	3.1	2.2	1.3	1.38	0.83	0.45	0.30	0.38	0.08	.26	0.08	
900 MHz	2.1	1.5	0.93	0.944	0.58	0.28	0.18	0.26	0.05	.18	0.05	
1,500 MHz	1.6	1.1	0.70	0.705	0.44	0.20		0.20		.14		
Velocity (%)	88	87	87		85	83	66	84	80	80	66	

Low Duty Cycle Transmissions – For less than 50% duty cycle. Power rating may be doubled.

General Performance Properties

	LMR1200	LMR900	LMR600	RFP400 LMR400	RFP240 LMR240	LMR195
Conductor: (note 1)	0.349"	0.262"	0.176"	0.109"	0.056"	0.037"
Dielectric: Cellular PE (note 2)	0.920"	0.680"	0.455"	0.285"	0.150"	0.113"
Shield: Aluminum Tape (note 3)	0.926"	0.686"	0.461"	0.291"	0.155"	0.118"
Tinned Copper Braid	0.972"	0.732"	0.490"	0.320"	0.178"	0.141"
Jacket: Black PE (note 4)	1.200"	0.870"	0.590"	0.405"	0.240"	0.195"
Bend Radius (note 5)	6.5"	3.0"	1.5"	1.0"	0.75"	0.50"
Weight (lbs/foot)	0.448	0.266	0.131	0.068	0.034	0.022"
Temperature Range	-40° to +85°					

Special LMR Product