

Brand	Type	Z (Ω)	VoP (%)	C (pF/ft)	L (μH/ft)	Center Conductor		Shield
						Size (AWG)	DCR (Ω/1,000 ft)	DCR (Ω/1,000 ft)
Times LMR-400	RG-8/U	50	85%	23.9	0.060	0.108"	1.4	1.65

**Lengths to nearest 1/8th inch based on wavelength**

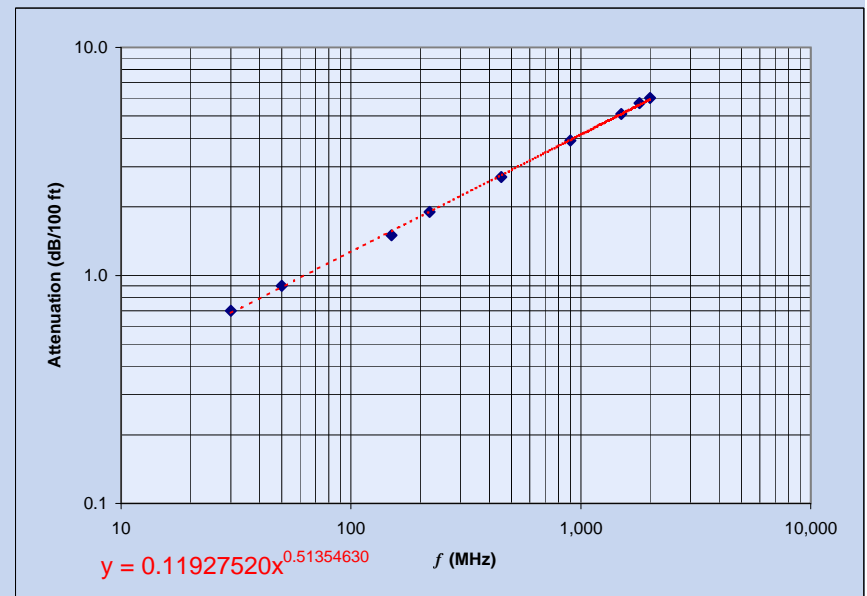
Number of wavelengths (λ) 1.0000

Use	f (MHz)	Length (m)	Length (ft)	Loss (dB)
H	1.900	134.118	440' 0-1/4"	0.73
H	3.750	67.953	222' 11-3/8"	0.52
H	5.367	47.480	155' 9-1/4"	0.44
H	7.150	35.640	116' 11-1/8"	0.38
H	10.125	25.168	82' 6-7/8"	0.32
<b>RA</b>	<b>13.385</b>	<b>19.038</b>	<b>62' 5-1/2"</b>	<b>0.28</b>
H	14.175	17.977	58' 11-3/4"	0.27
H	18.118	14.065	46' 1-3/4"	0.24
<b>RA</b>	<b>20.100</b>	<b>12.678</b>	<b>41' 7-1/8"</b>	<b>0.23</b>
H	21.225	12.006	39' 4-5/8"	0.23
H	24.940	10.218	33' 6-1/4"	0.21
<b>RA</b>	<b>25.610</b>	<b>9.950</b>	<b>32' 7-3/4"</b>	<b>0.21</b>
H	28.850	8.833	28' 11-3/4"	0.19
<b>RA</b>	<b>37.875</b>	<b>6.728</b>	<b>22' 0-7/8"</b>	<b>0.17</b>
H	52.000	4.901	16' 0-7/8"	0.15
<b>RA</b>	<b>73.800</b>	<b>3.453</b>	<b>11' 4"</b>	<b>0.12</b>
H	146.000	1.745	5' 8-3/4"	0.09
<b>RA</b>	<b>151.500</b>	<b>1.682</b>	<b>5' 6-1/4"</b>	<b>0.09</b>
H	223.500	1.140	3' 8-7/8"	0.07
<b>RA</b>	<b>325.300</b>	<b>0.783</b>	<b>2' 6-7/8"</b>	<b>0.06</b>
<b>RA</b>	<b>408.000</b>	<b>0.625</b>	<b>2' 0-5/8"</b>	<b>0.05</b>
H	435.000	0.586	1' 11-1/8"	0.05
<b>RA</b>	<b>611.000</b>	<b>0.417</b>	<b>1' 4-3/8"</b>	<b>0.04</b>
H	915.000	0.279	11"	0.04
H	1,270.000	0.201	7-7/8"	0.03
<b>RA</b>	<b>1,423.500</b>	<b>0.179</b>	<b>7"</b>	<b>0.03</b>
H	2,305.000	0.111	4-3/8"	0.02
H	2,420.000	0.105	4-1/8"	0.02
H	3,400.000	0.075	3"	0.02
H	5,757.500	0.044	1-3/4"	0.01

**Attenuation**

f (MHz)	(dB/100ft)
30	0.7
50	0.9
150	1.5
220	1.9
450	2.7
900	3.9
1,500	5.1
1,800	5.7
2,000	6.0

Loss A: 0.1193  
Loss b: 0.5135



**Phasing cable length to nearest 1/8th inch**

f (MHz)	21.700	Length (m)		(ft-in)	Loss (dB)
Degrees	99	3.229	10' 7-1/8"	0.06	
Degrees	156	5.089	16' 8-3/8"	0.10	
Degrees	255	8.318	27' 3-1/2"	0.16	
Degrees	0	0.000		0.00	
Degrees	934.4	30.480	100' 0"	0.58	

