

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)

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