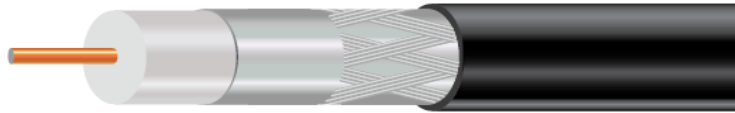


## LMR-300 Cable



### Construction

Item	Material	Diameter ( inch )	Diameter ( mm )
Center Conductor	Solid Bare Copper	0.0701 inch	1.78 mm
Dielectric	Foamed Polyethylene	0.190 inch	4.83 mm
Inner Shield	Sealed APA Tape	0.196 inch	4.98 mm
Outer Shield	36AWG, 90% Tinned Copper Braid	0.225 inch	5.72 mm
Jacket	Black PE	0.300 inch	7.62 mm

### Electrical & Mechanical Data

Operation Frequency	30 ~ 6000 MHz
Characteristic Impedance	50 Ω
Velocity of Propagation, Nom.	85 %
Capacitance, Nom.	23.9 nF/kft (78.4 nF/km)
Inner Conductor Resistance @ 20 °C	2.1 Ω/kft (7.0 Ω/km)
Outer Conductor Resistance @ 20 °C	2.2 Ω/kft (7.3 Ω/km)

### Attenuation @ 20 °C

Frequency	dB/100ft	dB/100m	Avg. Power Rating (Kw)
30 MHz	1.07	3.50	2.09
50 MHz	1.37	4.50	1.62
150 MHz	2.41	7.90	0.92
220 MHz	2.93	9.60	0.76
450 MHz	4.21	13.80	0.52
900 MHz	6.07	19.90	0.36
1500 MHz	7.92	26.00	0.28
1800 MHz	8.75	28.70	0.25
2000 MHz	9.24	30.30	0.24
2500 MHz	10.42	34.20	0.21
5800 MHz	16.52	54.20	0.13