



LMR600 Cable Specification

Cable Structure

- Inner Conductor, Cu Clad AL Wire, Dia. 4.47mm
- Insulation, Foam PE, Dia. 11.56mm
- Outer Conductor 1, Bonded AL Foil
- Outer Conductor 2, Tinned Cu Wire Braid, Dia 12.50mm
- Jacket, Black PE, Dia. 14.99mm/0.590in.



ELECTRICAL SPECIFICATION (25° C, sea level)

Description	Min	Typ	Max	Units/Note
Impedance		50Ω		Ohm
Capacitance		76.8		pF/m
Velocity of Propagation		87		%
Cutoff Frequency		8		GHz
RF Shielding	90			dB
Power, DC			40	kW
Voltage Withstand, DC			4000	Volts
Jacket Withstand			8000	Vrms
Temperature	-40		85	°C

Performance by Frequency

Frequency (MHz)	Max Insertion Loss(25° C) dB/meter	Average Power(25° C @ Sea Level) Watts
50	0.02	3830
150	0.04	2160
220	0.045	1770
450	0.06	1230
900	0.09	840
1500	0.12	630
1800	0.13	570
2000	0.14	540
2500	0.16	480
5800	0.25	290
6000	0.26	255

MECHANICAL SPECIFICATION, CABLE

Description	Specification
Weight	0.20kg/m
Minimum Bend Radius, Static	1.50in. (38.0mm)
Minimum Bend Radius, Dynamic	5.91in. (150mm)

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