



LMR240 Cable Specification

Cable Structure

- Inner Conductor, Bare Cu Wire, Dia. 1.42mm
- Insulation, Foam PE, Dia. 3.81mm
- Outer Conductor 1, Bonded AL Foil
- Outer Conductor 2, Tinned Cu Wire Braid, Dia 4.52mm
- Jacket, Black PE, Dia. 6.1mm/0.240in.



ELECTRICAL SPECIFICATION (25° C, sea level)

Description	Min	Typ	Max	Units/Note
Impedance		50Ω		Ohm
Capacitance		79.4		pF/m
Velocity of Propagation		84		%
Cutoff Frequency		8		GHz
RF Shielding	90			dB
Power, DC			5.6	kW
Voltage Withstand, DC			1500	Volts
Jacket Withstand			5000	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	0.06	1000
150	0.10	580
220	0.12	480
450	0.18	330
900	0.25	230
1500	0.33	180
1800	0.36	160
2000	0.38	150
2500	0.43	130
5800	0.67	90
6000	0.69	80

MECHANICAL SPECIFICATION, CABLE

Description	Specification
Weight	0.05kg/m
Minimum Bend Radius, Static	0.75in. (19.1mm)
Minimum Bend Radius, Dynamic	2.40in. (61mm)

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