



LMR400 Cable Specification

Cable Structure

- Inner Conductor, Cu Clad AL Wire, Dia. 2.74mm
- Insulation, Foam PE, Dia. 7.24mm
- Outer Conductor 1, Bonded AL Foil
- Outer Conductor 2, Tinned Cu Wire Braid, Dia 8.1mm
- Jacket, Black PE, Dia. 10.16mm/0.400in.



ELECTRICAL SPECIFICATION (25° C, sea level)

Description	Min	Typ	Max	Units/Note
Impedance		50Ω		Ohm
Capacitance		78.4		pF/m
Velocity of Propagation		85		%
Cutoff Frequency		8		GHz
RF Shielding	90			dB
Power, DC			16	kW
Voltage Withstand, DC			2500	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	0.03	2210
150	0.05	1280
220	0.06	1050
450	0.09	720
900	0.13	500
1500	0.17	380
1800	0.19	340
2000	0.20	330
2500	0.23	290
5800	0.36	180
6000	0.38	155

MECHANICAL SPECIFICATION, CABLE

Description	Specification
Weight	0.10kg/m
Minimum Bend Radius, Static	1.00in. (25.4mm)
Minimum Bend Radius, Dynamic	4.80in. (102mm)

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