



LMR600 Series, Low Loss Cable Assembly, 6GHz

Features

- VSWR 1.35:1 Max up to 6GHz
- N-Type Connectors both ends
- 87% Phase Velocity
- Double Shielded
- Shielding Effectivity >90dB
- PE outer jacket, Black
- Low Loss



ELECTRICAL SPECIFICATION (25° C, sea level)

Description	Min	Typ	Max	Units/Note
Impedance		50Ω		Ohm
Frequency	DC		6	GHz
VSWR, 6GHz			1.35:1	@6GHz
Velocity of Propagation		87		%
Dielectric Withstand		4000		Volts
Jacket Spark		8000		Vrms
RF Shielding	90			dB
Capacitance		76.8		pF/m
Temperature	-40		85	° C

Performance by Frequency

Frequency (MHz)	Insertion Loss(25° C) dB/meter	Average Power(25° C @ Sea Level) Watts
50	0.02	3830
150	0.035	2160
220	0.04	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

Contact us:
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MECHANICAL SPECIFICATION, CABLE	
Description	Specification
Cable Type	LMR600
Diameter	0.590in. (14.99mm)
Inner Conductor	Copper Clad Aluminum Wire
Weight	0.2kg/m
Minimum Bend Radius, Static	1.5in. (38mm)
Minimum Bend Radius, Dynamic	5.9in. (150mm)
Length	Customer Specified

MECHANICAL SPECIFICATION, CONNECTORS		
Description	Connector 1	Connector 2
Type	N-Type	N-Type
Interface Spec	MIL-STD-348	MIL-STD-348
Mating Cycles	5000	5000
Hex Wrench Size	3/4 in	3/4 in
Mating Torque	8-10in-lbs/0.9-1.13nm	8-10in-lbs/0.9-1.13nm
Material	Stainless Steel	Stainless Steel
Pin	Gold Plated BeCu	Gold Plated BeCu
Dielectric Type	PTFE	PTFE

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Ordering Information



Part Number Configurator			
Series	Connector 1	Connector 2	Length (in)
LMR600	XXXX	XXXX	-XXX

Connector 1		Connector 2	
N-Type Male	NTPM	N-Type Male	NTPM
N-Type Female	NTPF	N-Type Female	NTPF

** - If Connector 1 equals Connector 2, leave Connector 2 blank

Example:

LMR600NTPM-048, 48 inch cable with N-Type male connectors both ends.

LMR600NTPFNTPM-024, 24 inch cable with N-Type male and N-Type Female connectors.

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