



## LMR600UF Series, Ultra-Flexible 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
- TPE outer jacket, Black
- Low Loss, Ultra Flexible



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	0.03	3530
150	0.04	2000
220	0.05	1640
450	0.07	1120
900	0.10	770
1500	0.13	580
1800	0.15	520
2000	0.16	490
2500	0.18	430
5800	0.29	260
6000	0.30	230

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### MECHANICAL SPECIFICATION, CABLE

Description	Specification
Cable Type	LMR600
Diameter	0.590in. (14.99mm)
Inner Conductor	Stranded Bare Copper 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)
LMR600UF	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:

LMR600UFNTPM-048, Flexible 48 inch cable with N-Type male connectors both ends.

LMR600UFNTPFNTPM-024, Flexible 24 inch cable with N-Type male and N-Type Female connectors.

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