



Specifications

Ω Impedance 50 Ohms

Op Temp -40 to +185°F
-40 to +85°C

Units

Diameter	in (mm)	0.590 (14.99)
Weight	lb/ft (kg/m)	0.131 (0.20)
Bend Radius: Installation	in (mm)	1.50 (38.1)
Bend Radius: Repeated	in (mm)	6.0 (152.4)
Bending Moment	ft-lb (N-m)	2.75 (3.73)
Tensile Strength	lb (kg)	350 (158.9)
Flat Plate Crush	lb/in. (kg/mm)	60 (1.07)
Maximum Frequency	GHz	8
Velocity of Propagation	%	85
Dielectric Constant	NA	1.32
Time Delay	nS/f (nS/m)	1.17 (3.83)
Capacitance	pF/ft (pF/m)	23.4 (76.6)
Inductance	uH/ft (uH/m)	0.058 (0.19)
Shielding Effectiveness	dB	>90
Inner Conductor	Ohms/1000ft (/km)	0.53 (1.7)
Outer Conductor	Ohms/1000ft (/km)	1.2 (3.9)
Voltage Withstand	Volts DC	4000
Jacket Spark	Volts RMS	8000
Peak Power	kW	40

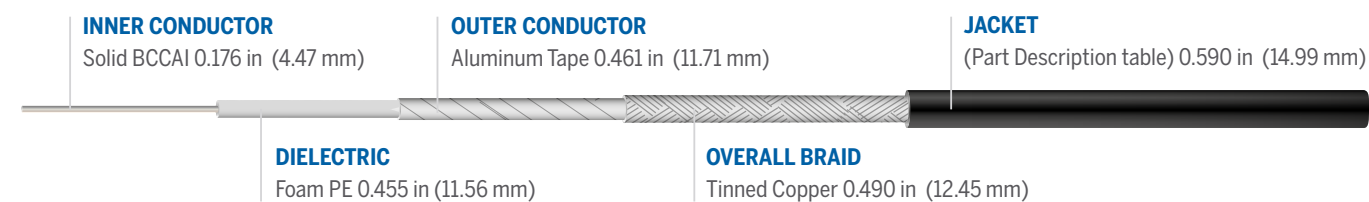
Calculation

$$IL = (K1 \times V(f) + K2 \times f) \times \text{Cable Length}$$

Cable Insertion Loss
f = Frequency (MHz)

Use K values with
matching length unit

K values	dB/100ft	dB/100m
K1	0.0763055	0.250358346
K2	0.0002626	0.000861591



Part Description

Part-Number	Application	Jacket	Color	Stock Code	Cable Code
LMR-600	Outdoor	PE	Black	54003	LMR600
LMR-600-DB	Outdoor/Watertight	PE	Black	54093	LDB600
LMR-600-FR	Indoor/Outdoor Riser CMR	FRPE	Black	54032	LFR600
LMR-600-FR-PVC	Indoor/Outdoor Riser CMR	FRPVC	Black	54074	LPF600
LMR-600-PVC	General Purpose	PVC	Black	54219	LPV600
LMR-400-RR-DB	RodentRepel/Watertight	PE	Black	54421	LRR600

Assembly Ordering Guide

XXXXXX Cable Code
 -XXX Connector A
 XXX- Connector B
 XX.X Length
 X Units of measure: I = Inches, F = Feet, M = Meters

*Refer to the Part Description table to select your desired Cable Code **Refer to the Connector table on page 15 to select your desired connector

Connectors

Gender	Description	Coupling Nut	Part Number	Stock Code	Connector Code
BNC	Male	Right Angle Plug	Knurl	TC-600-BM-RA-D	3190-2734 BMR
DIN	7-16 Female	Straight Jack	N/A	EZ-600-716F-X	3190-2447 DF
		TC-600-716FC	3190-375 DF		
	7-16 Male	Straight Plug	Hex	EZ-600-716M-X	3190-2643 DM
TC-600-716M-X		3190-2642 DM			
EIA FLANGE	7/8	Flange	N/A	EZ-600-716M-RA-X	3190-6471 DMR
				TC-600-716M-RA-D	3190-6211 DMR
HN	Male	Straight Plug	Knurl	TC-600-HNMC	3190-1429 HNM
LC	Male	Straight Plug	Hex	TC-600-LCM	3190-1406 LCM
		Straight	Hex	TC-600-4310M-X	3190-6273 43M
4.3/10	4.3/10 Male	Straight Plug	Hex	EZ-600-4310M-X	3190-8100 43M
		Right Angle Plug	Hex	EZ-600-4310M-RA-X	3190-8101 43MR
		Female	Straight Jack	N/A	EZ-600-NF-X
EZ-600-NF-BH-X	3190-8034 NFB				
TC-600-NF-X	3190-2816 NF				
N	Male	Straight Plug	Hex/Knurl	TC-600-NF-BH	3190-589 NFB
				EZ-600-NMK	3190-669 NM
				EZ-600-NMH-X	3190-2627 NM
	Female	Straight Jack	N/A	EZ-600-NMC-2-D	3190-2641 NM
				TC-600-NMC-2-D	3190-6122 NM
				TC-600-NMH-X	3190-2628 NM
Male	Right Angle Plug	Hex/Knurl	EZ-600-NMH-RA-X	3190-6387 NMR	
			TC-600-NMH-RA-D	3190-2427 NMR	
			EZ-600-QNF-X	3190-8050 QNF	
QN	Female	Straight Jack	N/A	EZ-600-QNF-X	3190-8050 QNF
	Male	Straight Plug	N/A	EZ-600-QNM-X	3190-8048 QNM
SMA	Male	Right angle plug	N/A	EZ-600-QNM-RA-X	3190-8049 QNMR
		Straight Plug	Hex	EZ-600-SM-X	3190-8111 SM
TNC	Female	Straight Jack	N/A	TC-600-TF-RP	3190-1065 TFRP
				EZ-600-TF-X	3190-3050 TF
				EZ-600-TF-BH-X	3190-8035 TFB
	Male	Straight Plug	Knurl	EZ-600-TF-RP	3190-797 TFRP
				TC-600-TF-X	3190-3052 TF
				EZ-600-TM-RP	3190-796 TMRP
		Right Angle Plug	Hex/Knurl	TC-600-TM-RP	3190-1064 TMRP
				EZ-600-TM-X	3190-2531 TM
				TC-600-TM-X	3190-2530 TM
UHF	Male	Straight Plug	Knurl	TC-600-TM-RA-D	3190-2707 TMR
		Straight Angle Plug	Knurl	EZ-600-UM-X	3190-8036 UM
				EZ-600-UM-RA-X	3190-8037 UMR

*Connector part numbers in bold text are the default connectors for LMR-600 cable assemblies