



## Specifications

Impedance 50 Ohms

Op Temp -40 to +185°F  
-40 to +85°C

### Units

Diameter	in (mm)	1.200 (30.48)
Weight	lb/ft (kg/m)	0.448 (0.67)
Bend Radius: Installation	in (mm)	6.50 (165.1)
Bend Radius: Repeated	in (mm)	12.0 (304.8)
Bending Moment	ft-lb (N-m)	15.0 (20.34)
Tensile Strength	lb (kg)	1300 (590.2)
Flat Plate Crush	lb/in. (kg/mm)	250 (4.47)
Maximum Frequency	GHz	5.2
Velocity of Propagation	%	88
Dielectric Constant	NA	1.29
Time Delay	nS/f (nS/m)	1.15 (3.79)
Capacitance	pF/ft (pF/m)	23.1 (75.8)
Inductance	uH/ft (uH/m)	0.058 (0.19)
Shielding Effectiveness	dB	>90
Inner Conductor	Ohms/1000ft (/km)	0.32 (1.0)
Outer Conductor	Ohms/1000ft (/km)	0.37 (1.2)
Voltage Withstand	Volts DC	6000
Jacket Spark	Volts RMS	8000
Peak Power	kW	90

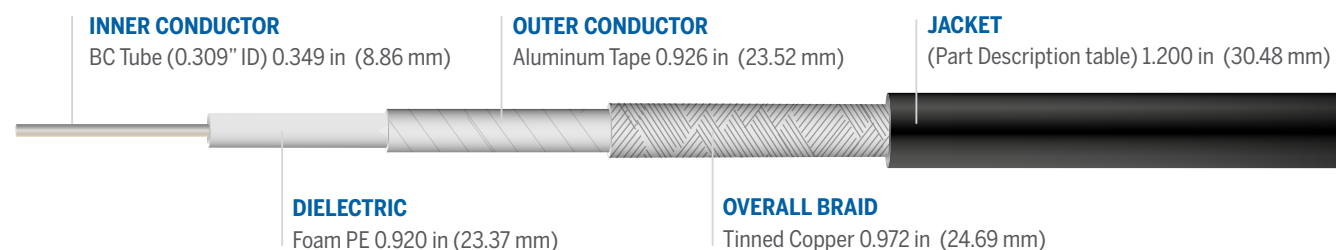
## Calculation

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

Cable Insertion Loss  
f = Frequency (MHz)

Use K values with  
matching length unit

K values	dB/ft	dB/m
K1	0.03737	0.12261097
K2	0.00016	0.00052496



## Part Description

Part-Number	Application	Jacket	Color	Stock Code	Cable Code
LMR-1200-DB	Outdoor/Watertight	PE	Black	54095	LDB1200
LMR-1200-FR	Indoor/Outdoor Riser CMR	FRPE	Black	54034	LF1200

## Assembly Ordering Guide

XXXXXXXXX - XXXX XXX- XX.X X

Cable Code Connector A Connector B Length 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 19 to select your desired connector

## Connectors

Gender	Description	Coupling Nut	Part Number	Stock Code	Connector Code	
DIN	7-16 Female	Straight Jack	N/A	EZ-1200-716FC-2	3190-2784	DF
	7-16 Male	Straight Plug	Hex	EZ-1200-716MC-2	3190-2781	DM
EIA FLANGE	7/8	Straight	N/A	EZ-1200-78EIA-2	3190-2780	78EIA
		Right Angle	N/A	EZ-1200-78EIA-RA-2	3190-2782	78EIAR
N	Female	Straight Jack	N/A	EZ-1200-NFC-2	3190-2785	NF
	Male	Straight Plug	Hex/Knurl	EZ-1200-NMC-2	3190-2783	NM

\* Connector part numbers in bold text are the default connectors for LMR-1200 cable assemblies