

**MFC-600 UF ( LMR-600 UF Type )****Low Loss Flexible Coaxial Cable****Construction**

Item	Material	Diameter	Remark
Center Conductor	Stranded Bare Copper	4.47 mm ( 0.176 inch )	7 Stranded Bare Copper Wire
Dielectric	Foam PE	11.56 mm ( 0.455 inch )	Foam PE
Inner Shield	Aluminum Tape	11.71 mm ( 0.461 inch )	Aluminum Tape Wrapping
Outer Shield	TC	12.45 mm ( 0.490 inch )	Tin Plated Copper Wire
Jacket	TPE	14.99 mm ( 0.590 inch )	BLACK Thermoplastic Elastomer

**Electrical & Mechanical Data**

Characteristic Impedance	50 $\Omega$
Operating Frequency	5.8 GHz ( Max. )
Velocity of Propagation	87 %
Capacitance	76.6 pF/m ( 23.3 pF/ft )
Operating Temperature	- 40°C ~ 85°C
Voltage Withstand ( Volts DC )	4,000
Jacket Spark ( Volts RMS )	8,000
Min. Bending Radius	38.1 mm ( 1.50 inch ) Installation 152.4 mm ( 6.00 inch ) Repeated

**Attenuation**

Frequency ( MHz )	Attenuation		Power Rating ( Avg. Kw )
	( dB/100M )	( dB/100ft )	
30 MHz	1.70	0.52	4.59
50 MHz	2.29	0.70	3.53
150 MHz	3.93	1.20	2.00
220 MHz	4.60	1.40	1.64
450 MHz	6.88	2.10	1.12
900 MHz	9.83	3.00	0.77
1500 MHz	13.11	4.00	0.58
1800 MHz	14.50	4.42	0.52
2000 MHz	15.41	4.70	0.49
2500 MHz	17.40	5.30	0.43
5800 MHz	28.60	8.72	0.26