

MFC-240 UF (LMR-240 UF Type)**Low Loss Flexible Coaxial Cable****Construction**

Item	Material	Diameter	Remark
Center Conductor	Stranded Bare Copper	1.42 mm (0.056 inch)	7 Stranded Bare Copper Wire
Dielectric	Foam PE	3.81 mm (0.150 inch)	Foam PE
Inner Shield	Aluminum Tape	3.94 mm (0.155 inch)	Aluminum Tape Wrapping
Outer Shield	TC	4.52 mm (0.178 inch)	Tin Plated Copper Wire Braiding
Jacket	TPE	6.10 mm (0.240 inch)	BLACK Thermoplastic Elastomer

Electrical & Mechanical Data

Characteristic Impedance	50 Ω
Operating Frequency	5.8 GHz (Max.)
Velocity of Propagation	84 %
Capacitance	79.4 pF/m (24.2 pF/ft)
Operating Temperature	- 40°C ~ 85°C
Voltage Withstand (Volts DC)	1,500
Jacket Spark (Volts RMS)	5,000
Min. Bending Radius	19.1 mm (0.75 inch) Installation 63.5 mm (2.5 inch) Repeated

Attenuation

Frequency (MHz)	Attenuation		Power Rating (Avg. Kw)
	(dB/100M)	(dB/100ft)	
30 MHz	5.30	1.62	1.24
50 MHz	6.88	2.10	0.96
150 MHz	11.90	3.63	0.55
220 MHz	14.42	4.40	0.45
450 MHz	20.80	6.34	0.31
900 MHz	29.84	9.10	0.22
1500 MHz	38.90	11.86	0.17
1800 MHz	42.80	13.05	0.15
2000 MHz	45.26	13.80	0.14
2500 MHz	50.90	15.51	0.13
5800 MHz	80.10	24.41	0.08