

MFC-200 UF (LMR-200 UF Type)**Low Loss Flexible Coaxial Cable****Construction**

Item	Material	Diameter	Remark
Center Conductor	Stranded Bare Copper	1.12 mm (0.044 inch)	7 Stranded Bare Copper Wire
Dielectric	Foam PE	2.95 mm (0.116 inch)	Foam PE
Inner Shield	Aluminum Tape	3.07 mm (0.121 inch)	Aluminum Tape Wrapping
Outer Shield	TC	3.66 mm (0.144 inch)	Tin Plated Copper Wire
Jacket	TPE	4.95 mm (0.195 inch)	BLACK Thermoplastic Elastomer

Electrical & Mechanical Data

Characteristic Impedance	50 Ω
Operating Frequency	5.8 GHz (Max.)
Velocity of Propagation	83 %
Capacitance	80.3 pF/m (24.5 pF/ft)
Operating Temperature	- 40°C ~ 85°C
Voltage Withstand (Volts DC)	1,000
Jacket Spark (Volts RMS)	3,000
Min. Bending Radius	12.7 mm (0.5 inch) Installation 50.8 mm (2.0 inch) Repeated

Attenuation

Frequency (MHz)	Attenuation		Power Rating (Avg. Kw)
	(dB/100M)	(dB/100ft)	
30 MHz	7.00	2.13	0.95
50 MHz	9.00	2.74	0.73
150 MHz	15.74	4.80	0.42
220 MHz	19.03	5.80	0.35
450 MHz	27.40	8.35	0.24
900 MHz	39.10	11.92	0.17
1500 MHz	50.90	15.51	0.13
1800 MHz	56.10	17.10	0.12
2000 MHz	59.10	18.01	0.11
2500 MHz	66.40	20.24	0.10
5800 MHz	103.80	31.64	0.06