

MFC-400 UF (LMR-400 UF Type)**Low Loss Flexible Coaxial Cable****Construction**

Item	Material	Diameter	Remark
Center Conductor	Stranded Bare Copper	2.74 mm (0.108 inch)	7 Stranded Bare Copper Wire
Dielectric	Foam PE	7.24 mm (0.285 inch)	Foam PE
Inner Shield	Aluminum Tape	7.39 mm (0.291 inch)	Aluminum Tape Wrapping
Outer Shield	TC	8.13 mm (0.320 inch)	Tin Plated Copper Wire
Jacket	TPE	10.29 mm (0.405 inch)	BLACK Thermoplastic Elastomer

Electrical & Mechanical Data

Characteristic Impedance	50 Ω
Operating Frequency	5.8 GHz (Max.)
Velocity of Propagation	85 %
Capacitance	78.4 pF/m (23.9 pF/ft)
Operating Temperature	- 40°C ~ 85°C
Voltage Withstand (Volts DC)	2,500
Jacket Spark (Volts RMS)	8,000
Min. Bending Radius	25.4 mm (1.00 inch) Installation 101.6 mm (4.00 inch) Repeated

Attenuation

Frequency (MHz)	Attenuation		Power Rating (Avg. Kw)
	(dB/100M)	(dB/100ft)	
30 MHz	2.70	0.82	2.77
50 MHz	3.60	1.10	2.14
150 MHz	6.10	1.86	1.22
220 MHz	7.40	2.26	1.00
450 MHz	10.82	3.30	0.69
900 MHz	15.41	4.70	0.48
1500 MHz	20.33	6.20	0.36
1800 MHz	22.30	6.80	0.33
2000 MHz	23.61	7.20	0.31
2500 MHz	26.60	8.11	0.28
5800 MHz	42.64	13.00	0.17