

**LLC-MFT400 LW ( LMR-400LW Type )****Low Loss Flexible Coaxial Cable****Construction**

Item	Material	Diameter ( inch )	Diameter ( mm )
Inner Conductor	Solid Copper Clad Aluminum Wire	0.1091 inch	2.77 mm
Dielectric	Foamed Polyethylene	0.285 inch	7.24 mm
1st Outer Conductor	Sealed AP Tape	0.292 inch	7.42 mm
2nd Outer Conductor	34AWG, 95% Aluminum Braid	0.320 inch	8.12 mm
Jacket	Black PE	0.402 inch	10.20 mm

**Electrical & Mechanical Data**

Operation Frequency	150 ~ 2700 MHz
PIMD, MIN.	-140 dBc
Characteristic Impedance	$50 \pm 3 \Omega$
Velocity of Propagation, Nom.	85 %
Capacitance, Nom.	23.9 nF/kft (78.4 nF/km)
Inner Conductor Resistance @ 20 °C	1.5 $\Omega$ /kft (5.0 $\Omega$ /km)
Outer Conductor Resistance @ 20 °C	6.4 $\Omega$ /kft (21.0 $\Omega$ /km)

**Attenuation @ 20 °C**

Frequency	dB/100ft	dB/100m	Avg. Power Rating (Kw)
150 MHz	1.52	5.00	1.47
220 MHz	1.86	6.10	1.20
450 MHz	2.71	8.90	0.83
900 MHz	3.90	12.80	0.58
1500 MHz	5.12	16.80	0.44
1800 MHz	5.67	18.60	0.40
2000 MHz	5.97	19.60	0.37
2400 MHz	6.61	21.70	0.33
2700 MHz	7.04	23.10	0.21