

LLC-MFT240_HF (LMR-240 Type HF)**Low Loss Flexible Coaxial Cable****Construction**

Item	Material	Diameter (inch)	Diameter (mm)
Center Conductor	Solid Bare Copper	0.0559 inch	1.42 mm
Dielectric	Foamed Polyethylene	0.150 inch	3.81 mm
Inner Shield	Sealed APA Tape	0.157 inch	3.99 mm
Outer Shield	36AWG, 95% Tinned Copper Braid	0.178 inch	4.51 mm
Jacket	Black LSZH	0.240 inch	6.10 mm

Electrical & Mechanical Data

Operation Frequency	30 ~ 6000 MHz
Characteristic Impedance	50 Ω
Velocity of Propagation, Nom.	83 %
Capacitance, Nom.	24.2 nF/kft (79.4 nF/km)
Inner Conductor Resistance @ 20 °C	3.4 Ω/kft (11 Ω/km)
Outer Conductor Resistance @ 20 °C	4.0 Ω/kft (13 Ω/km)

Attenuation @ 20 °C

Frequency	dB/100ft	dB/100m	Avg. Power Rating (Kw)
30 MHz	1.34	4.40	1.49
50 MHz	1.74	5.70	1.15
150 MHz	3.02	9.90	0.66
220 MHz	3.66	12.00	0.54
450 MHz	5.27	17.30	0.38
900 MHz	7.56	24.80	0.26
1500 MHz	9.88	32.40	0.20
1800 MHz	10.85	35.60	0.18
2000 MHz	11.49	37.70	0.17
2500 MHz	12.92	42.40	0.15
5800 MHz	20.36	66.80	0.10