

**LLC-MFT195\_HF ( LMR-195 Type HF )****Low Loss Flexible Coaxial Cable****Construction**

Item	Material	Diameter ( inch )	Diameter ( mm )
Center Conductor	Solid Bare Copper	0.0370 inch	0.94 mm
Dielectric	Foamed Polyethylene	0.110 inch	2.79 mm
Inner Shield	Sealed APA Tape	0.116 inch	2.95 mm
Outer Shield	36AWG, 95% Tinned Copper Braid	0.138 inch	3.50 mm
Jacket	Black LSZH	0.195 inch	4.95 mm

**Electrical & Mechanical Data**

Operation Frequency	30 ~ 6000 MHz
Characteristic Impedance	50 Ω
Velocity of Propagation, Nom.	80 %
Capacitance, Nom.	25.4 nF/kft (83.3 nF/km)
Inner Conductor Resistance @ 20 °C	7.6 Ω/kft (25 Ω/km)
Outer Conductor Resistance @ 20 °C	4.9 Ω/kft (16 Ω/km)

**Attenuation @ 20 °C**

Frequency	dB/100ft	dB/100m	Avg. Power Rating (Kw)
30 MHz	2.00	6.56	0.85
50 MHz	2.58	8.46	0.66
150 MHz	4.47	14.67	0.38
220 MHz	5.41	17.75	0.31
450 MHz	7.76	25.46	0.21
900 MHz	11.10	36.42	0.15
1500 MHz	13.84	45.41	0.12
1800 MHz	15.91	52.20	0.11
2000 MHz	16.60	54.46	0.10
2500 MHz	18.65	61.19	0.09
5800 MHz	28.90	94.82	0.06