

# LT-COAX-1/2-100LSZH

Superflex 1/2" Coaxial Cable

## Specifications

Electrical Specifications	
Capacitance	80.0 pF/m
Impedance	50 ± 1 Ω
Velocity	82%
RF Peak Voltage	1.13 kV
Peak Power Rating	19 kW
Cut-off Frequency	12.5 GHz
Shielding Effectiveness >10 MHz	>120 dB
Insulation Resistance	5000 mΩ • km
VSWR	82%
0.8 ~ 1.0 GHz	≤ 1.13
1.7 ~ 2.2 GHz	≤ 1.13
2.2 ~ 2.7 GHz	≤ 1.15

Environmental Specifications	
Storage Temperature	-55 °C ~ +85 °C
Installation Temperature	-40 °C ~ +60 °C
Operating Temperature	-55 °C ~ +85 °C



Construction Materials	
Inner Conductor	Copper-clad Aluminum Wire
Dielectric	Physical Foam Polyethylene
Outer Conductor	Helical Copper Tube
Jacket	Low Smoke Halogen-free retardant

Physical Dimensions	
Minimum Bending Radius	
Single Bending	17 mm
Repeated Bending	55 mm
Minimum Number of Bends	15
Tensile Strength	600 n

### Standard Conditions:

For attenuation: VSWR 1.0, cable temperature 20°C (68°F)  
For average power: VSWR 1.0, ambient temperature 40°C (104°F),  
Inner conductor temperature 100°C (212°F) no solar loading,  
Maximum attenuation value shall be 105% off the nominal attenuation value.

## Performance

Frequency (MHz)	Attenuation		Average Power Rating (Kw)
	dB / 100 m	dB / 100 ft	
100	3.22	0.98	3.03
150	4.05	1.23	2.39
200	4.65	1.42	2.11
280	5.65	1.72	1.69
450	7.20	2.19	1.37
800	9.86	3.01	1.00
900	10.56	3.22	0.94
1000	11.15	3.40	0.88
1500	13.80	4.21	0.70
1800	15.55	4.74	0.63
2000	16.40	5.00	0.59
2200	17.35	5.29	0.56
2400	18.10	5.52	0.53
2500	18.50	5.64	0.52
3000	20.90	6.37	0.48



Product specifications are subject to change without prior notice.  
For more information, visit [www.lamatel.ca](http://www.lamatel.ca) or send an email to [sales@lamatel.com](mailto:sales@lamatel.com).