

LT-COAX-7/8-200LSZH

Superflex 7/8" Coaxial Cable



Specifications

Electrical Specifications	
Capacitance	75.0 pF/m
Impedance	50 ± 1 Ω
Velocity	89%
RF Peak Voltage	3.00 kV
Peak Power Rating	91 kW
Cut-off Frequency	5.20 GHz
Shielding Effectiveness >10 MHz	>120 dB
Insulation Resistance	5000 mΩ • km
VSWR	
0.8 ~ 1.0 GHz	≤ 1.10
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

Performance

Frequency (MHz)	Attenuation		Average Power Rating (Kw)
	dB / 100 m	dB / 100 ft	
100	1.19	0.36	8.62
150	1.47	0.45	7.20
200	1.71	0.52	5.99
280	2.05	0.62	4.94
350	2.30	0.70	4.90
450	2.64	0.80	3.88
800	3.62	1.10	2.83
900	3.87	1.18	2.65
1000	4.10	1.25	2.50
1500	5.16	1.51	1.99
1800	5.73	1.75	1.79
2000	6.09	1.86	1.68
2200	6.44	1.96	1.59
2400	6.78	2.07	1.54
2500	6.95	2.12	1.50
3000	7.74	2.36	1.33

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.

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	
Inner Conductor Diameter	9.00 mm
Dielectric Diameter	22.30 mm
Outer Conductor Diameter	24.90 mm
Diameter over Jacket	27.50 mm

Mechanical Specifications	
Minimum Bending Radius	
Single Bending	90 mm
Repeated Bending	250 mm
Minimum Number of Bends	15
Tensile Strength	1470 n



Product specifications are subject to change without prior notice.
For more information, visit www.lamatel.ca or send an email to sales@lamatel.com.