

LLE-780

High Performance Microwave Coax Cable

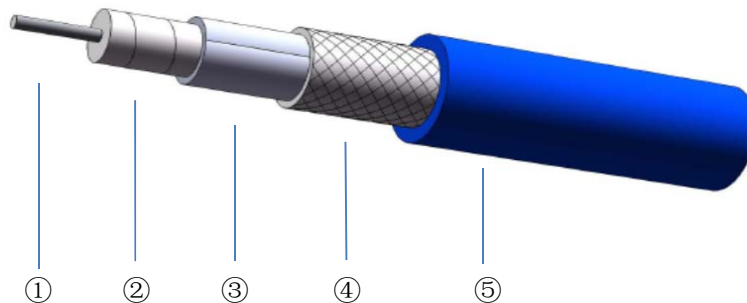
Product Description

Superlink LLE series is a cost-effective low loss cable. Compared to traditional foam PE cables, LLE cables offer higher operation temperature range, lower loss and better RF shielding effectiveness. These features make LLE cable the best choice for wireless application like GPS, Cellular and satellite.

Feature & Benefit

- 76%Vp LD PTFE+AL Foil
- Great bending performance

Product Structure

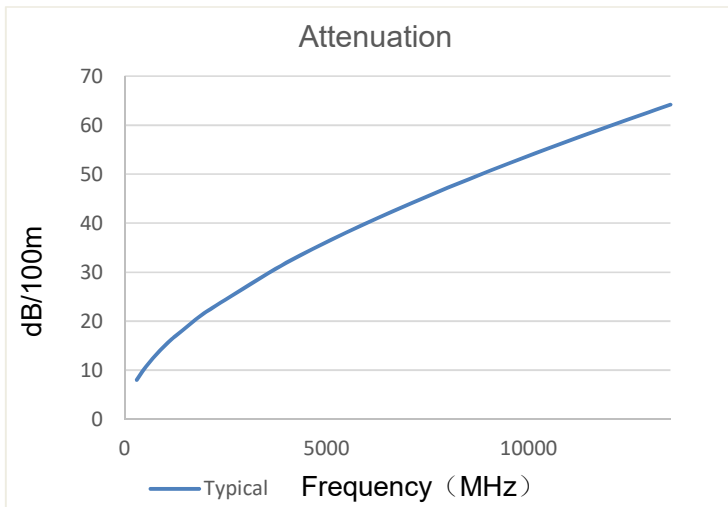


	①Center Conductor	②Dielectric	③Outer Conductor	④Outer shield	⑤Jacket
Material	SPC	LD PTFE	AL-foil	SPC	FEP
Size (mm)	2.30±0.03	6.70±0.10	6.80±0.10	7.35±0.15	7.80±0.15

Specifications

Impedance	50Ω
Operation Frequency	13.5GHz
Velocity of Propagation	76%
Shielding Effectiveness	90dB
Voltage Withstand	2000V,DC
Time Delay	4.38ns/m
Phase Stability(Bending)	±8° 13.5GHz
Amplitude Stability	±0.10dB 13.5GHz
Bend Radius:repeated	75mm
Bend Radius:installation	35mm
Weight	110g/m
Temp, Operating&Installation	-55~155°C
Temp,Storage	-65~155°C

Attenuation (Typical@25°C VSWR=1.0)



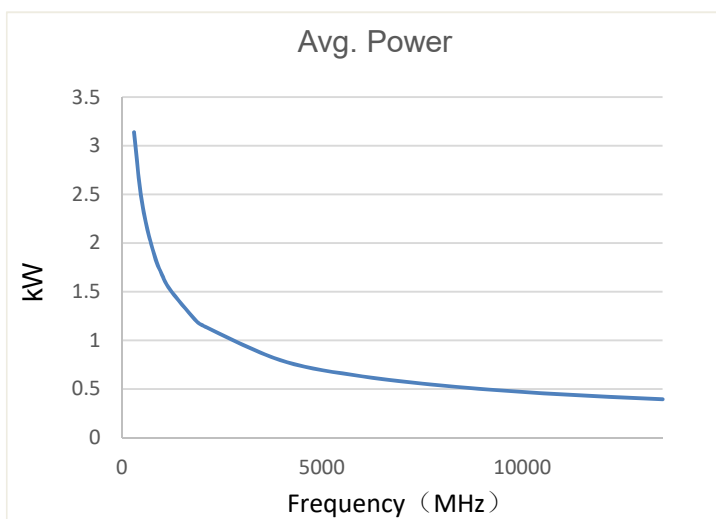
Frequency(MHz)	Attenuation (dB/100m)
300	8.0
500	10.5
800	13.4
1000	15.1
1200	16.6
1800	20.6
2000	21.8
4000	31.9
6000	40.1
8000	47.3
10000	53.8
12000	59.9
13500	64.2

$$K1= 0.448000$$

$$K2= 0.000898$$

$$\text{Attenuation}=K1*\sqrt{F}+K2*F$$

Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	3.141
500	2.409
800	1.883
1000	1.674
1200	1.520
1800	1.223
2000	1.155
4000	0.790
6000	0.629
8000	0.534
10000	0.469
12000	0.421
13500	0.393

Ver A-1