

# LLE-260

High Performance Microwave Coax Cable

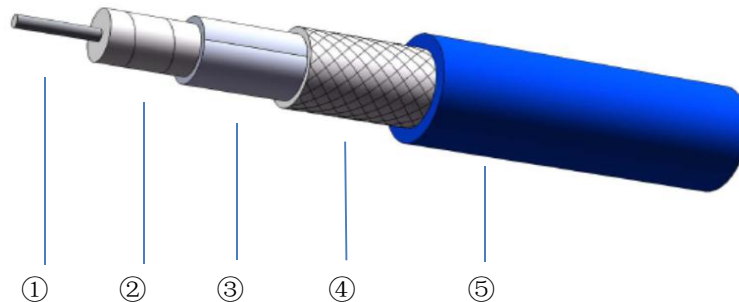
## Product Description

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

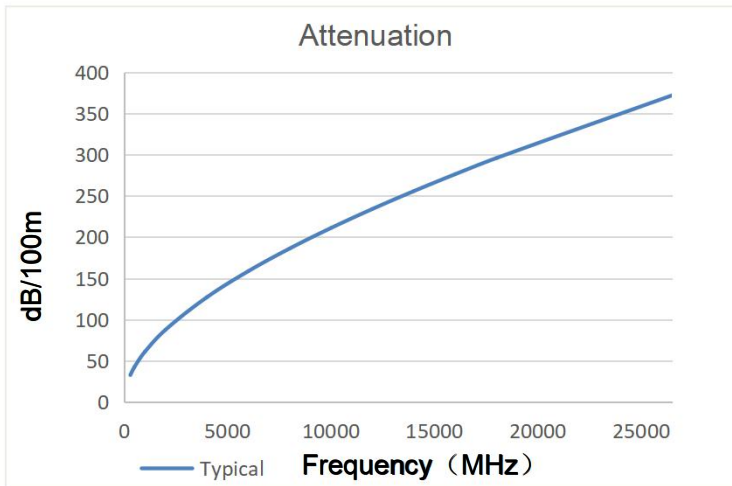


	①Center Conductor	②Dielectric	③Outer Conductor	④Outer shield	⑤Jacket
Material	SPC	LD PTFE	AL-foil	SPC	FEP
Size (mm)	0.56±0.02	1.60±0.05	1.68±0.05	2.05±0.05	2.60±0.10

## Specifications

Impedance	50Ω
Operation Frequency	26.5GHz
Velocity of Propagation	76%
Shielding Effectiveness	90dB
Voltage Withstand	500V,DC
Time Delay	4.38ns/m
Phase Stability(Bending)	±8° 26.5GHz
Amplitude Stability	±0.10dB 26.5GHz
Bend Radius:repeated	28mm
Bend Radius:installation	12mm
Weight	18g/m
Temp, Operating&Installation	-55~125℃
Temp,Storage	-65~125℃

## Attenuation (Typical@25°C VSWR=1.0)



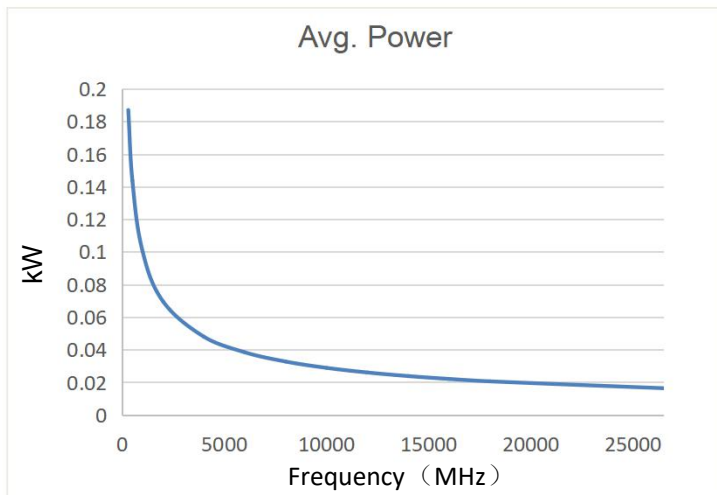
Frequency(MHz)	Attenuation (dB/100m)
300	32.537
500	42.320
1000	60.670
2000	87.440
4000	126.939
6000	158.551
8000	186.080
10000	211.000
12000	234.066
14000	255.729
16000	276.279
18000	295.920
26500	372.102

$$K1= 1.830000$$

$$K2= 0.002800$$

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

## Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	0.187
500	0.144
1000	0.100
2000	0.070
4000	0.048
6000	0.038
8000	0.033
10000	0.029
12000	0.026
14000	0.024
16000	0.022
18000	0.021
26500	0.016

Ver A-1