

# LLE-350

High Performance Microwave Coax Cable

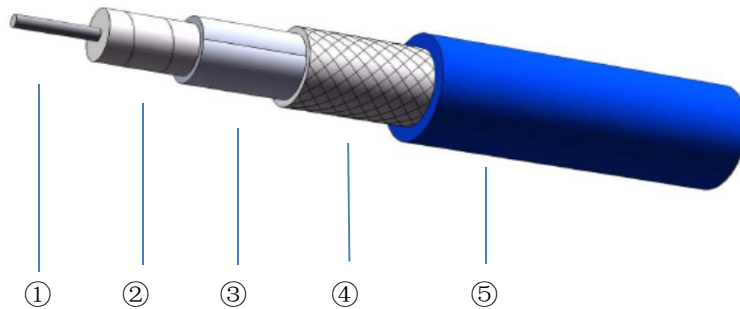
## Product Description

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)	0.94±0.02	2.75±0.05	2.82±0.05	3.27±0.10	3.50±0.15

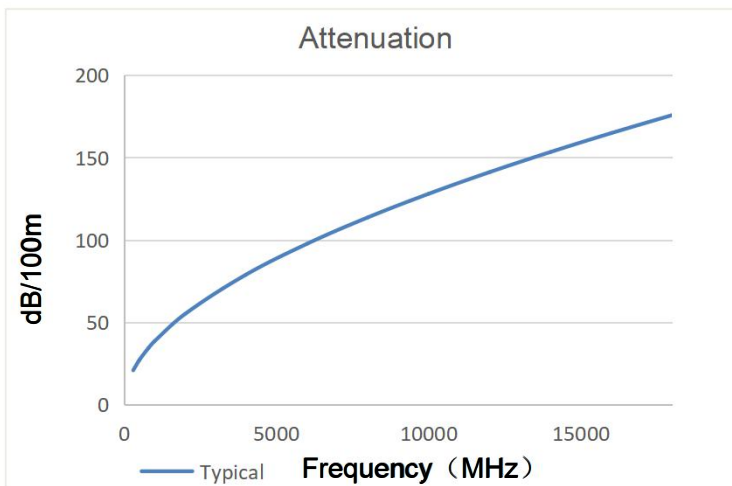
## Specifications

Impedance	50Ω
Operation Frequency	18GHz
Velocity of Propagation	76%
Shielding Effectiveness	90dB
Voltage Withstand	800V,DC
Time Delay	4.38ns/m
Phase Stability(Bending)	±10° 18GHz
Amplitude Stability	±0.10dB 18GHz
Bend Radius:repeated	35mm
Bend Radius:installation	14mm
Weight	29g/m
Temp, Operating&Installation	-55~155°C
Temp,Storage	-65~155°C

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



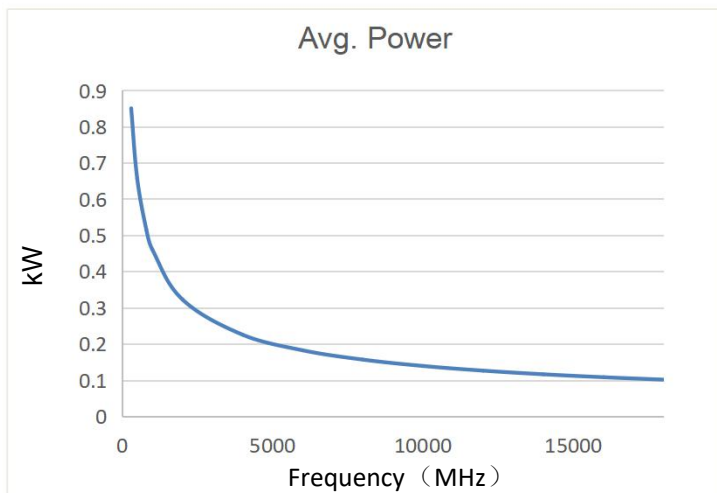
Frequency(MHz)	Attenuation (dB/100m)
300	20.9
500	27.1
800	34.4
1000	38.6
2000	55.1
4000	78.9
6000	97.6
8000	113.6
10000	128.0
12000	141.1
14000	153.3
16000	164.8
18000	175.7

$$K1= 1.191839$$

$$K2= 0.000880$$

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

## Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	0.850
500	0.656
800	0.516
1000	0.461
2000	0.323
4000	0.225
6000	0.182
8000	0.156
10000	0.139
12000	0.126
14000	0.116
16000	0.108
18000	0.101

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