

LLE-780

High Performance Microwave Coax Cable

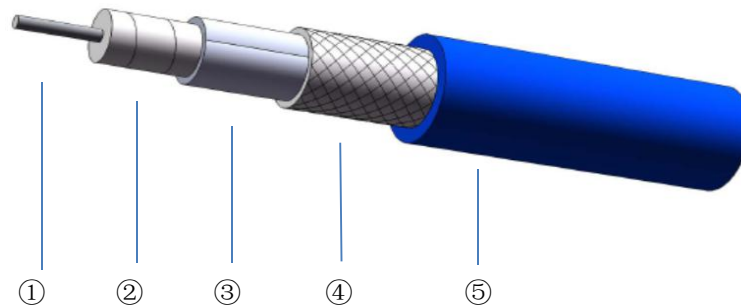
Product Description

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 |

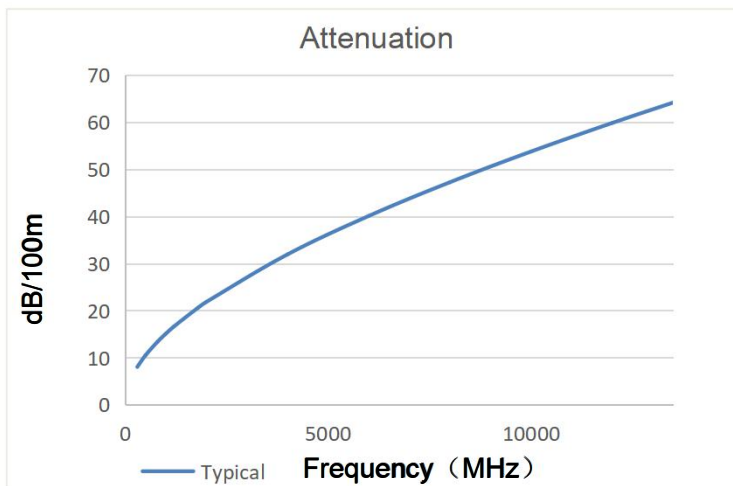
Specifications

| | |
|------------------------------|-----------------|
| 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 |

The rights of technical information provided on the sheet belongs to Superlink. Contents cannot provided to other third-companies without permission.

Shenzhen Superlink Technology Co.,Ltd
 Website: www.slkcorp.com
 Tel: +86 755-89814648

Attenuation (Typical@25°C VSWR=1.0)



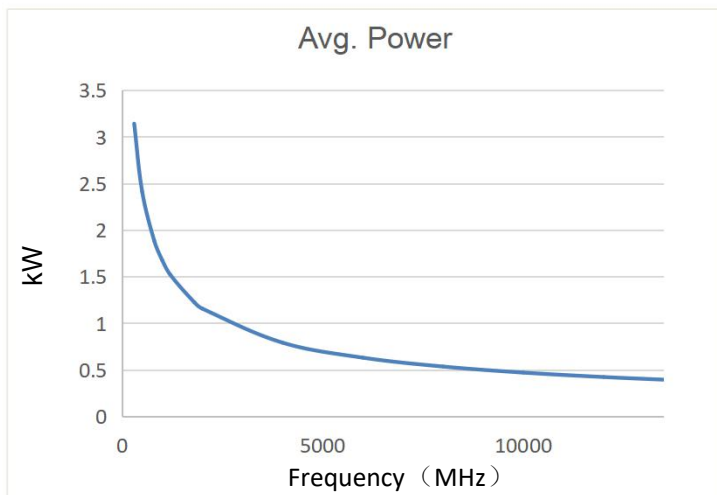
| Frequency(MHz) | Attenuation (dB/100m) |
|----------------|-----------------------|
| 300 | 8.0 |
| 500 | 10.5 |
| 800 | 13.4 |
| 1000 | 15.1 |
| 1200 | 16.6 |
| 1800 | 20.6 |
| 2000 | 21.8 |
| 4000 | 31.9 |
| 6000 | 40.1 |
| 8000 | 47.3 |
| 10000 | 53.8 |
| 12000 | 59.9 |
| 13500 | 64.2 |

$$K1= 0.448000$$

$$K2= 0.000898$$

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

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