

LLF-820

High Performance Microwave Coax Cable

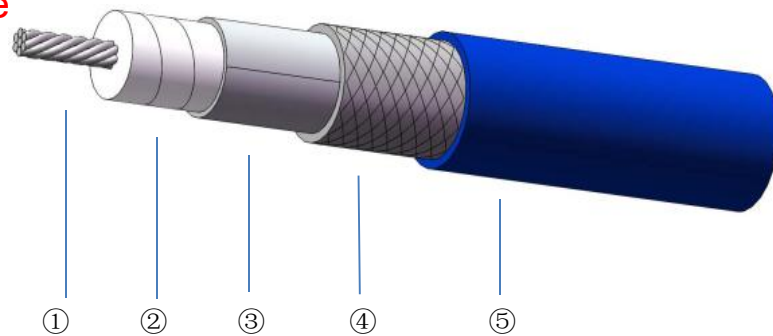
Product Description

Superlink LLF series coaxial cable is cost-effective low loss flexible cable. It is designed to be installed in narrow and small space. The center conductor is stranded silver-plated copper which makes LLF series more flexible. It can keep phase stable while bending. Meanwhile, LLF cables offer higher operating temperature range, lower loss and better RF shielding than traditional foam PE cables.

Feature & Benefit

- 76%Vp LD PTFE+AL Foil
- Great cost performance
- Excellent Flexibility

Product Structure

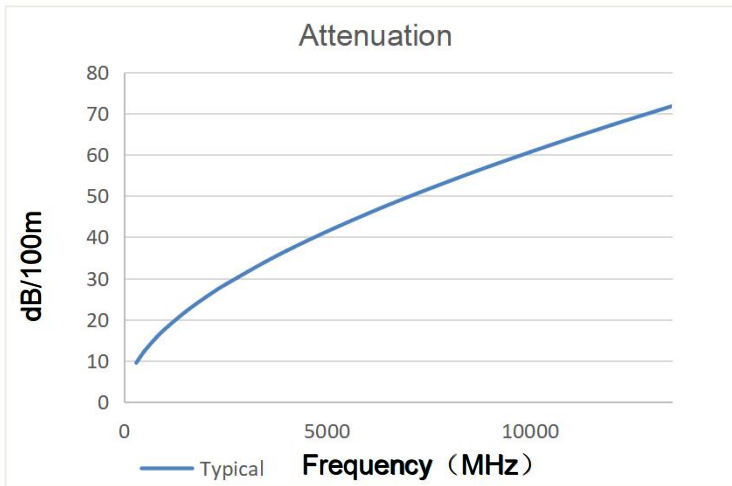


	①Center Conductor	②Dielectric	③Outer Conductor	④Outer shield	⑤Jacket
Material	SPC(Strand)	LD PTFE	AL-foil	SPC	PUR
Size (mm)	2.30±0.03	6.60±0.05	6.68±0.07	7.25±0.12	8.20±0.15

Specifications

Impedance	50Ω
Operation Frequency	13.5GHz
Velocity of Propagation	76%
Shielding Effectiveness	90dB
Voltage Withstand	1500V,DC
Time Delay	4.38ns/m
Bend Radius:repeated	82mm
Bend Radius:installation	35mm
Weight	125g/m
Temp, Operating&Installation	-55~85°C
Temp,Storage	-55~85°C

Attenuation (Typical@25°C VSWR=1.0)



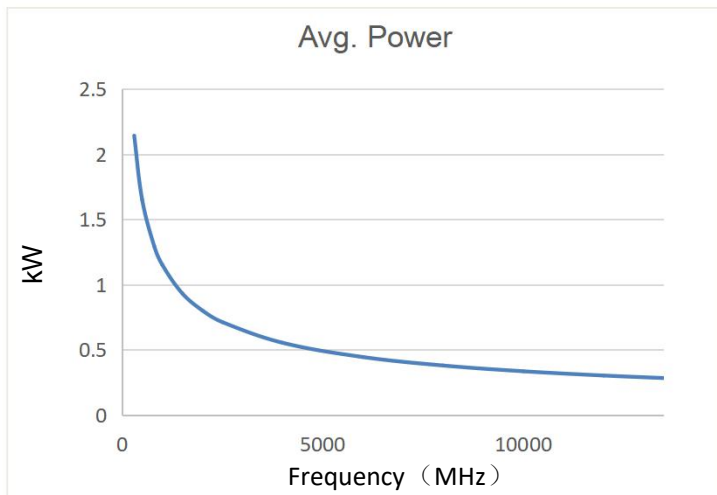
Frequency(MHz)	Attenuation (dB/100m)
300	9.5
500	12.3
800	15.7
1000	17.6
1500	21.8
2000	25.3
2500	28.5
4000	36.7
6000	45.7
8000	53.5
10000	60.6
12000	67.2
13500	71.8

$$K1= 0.533965$$

$$K2= 0.000724$$

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

Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	2.141
500	1.647
800	1.292
1000	1.151
1500	0.931
2000	0.800
2500	0.711
4000	0.553
6000	0.443
8000	0.378
10000	0.334
12000	0.302
13500	0.282

Ver A-1