

# SPB-260-P

High Performance Microwave Coax Cable

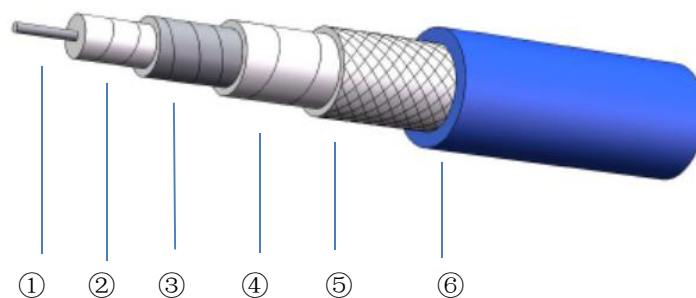
## Product Description

Superlink SPB series coaxial cable is constructed with low density PTFE dielectric and silver plated copper foil and has very low loss. It keeps a high phase stability and amplitude stability while bending. Performance hardly vary in broad frequency range. It can be applied to most of harsh conditions which require strict standard like military radar, electronic warfare and airborne equipment.

## Feature & Benefit

- 74%Vp PTFE+SPC Foil
- Multi-layer protection,excellent stability

## Product Structure



	①Center Conductor	②Dielectric	③Outer Conductor	④Inner Layer	⑤Outer shield	⑥Jacket
Material	SPC	LD PTFE	SPC	PTFE	SPC	FEP
Size (mm)	0.51±0.03	1.60±0.05	1.76±0.05	2.00±0.05	2.35±0.05	2.60±0.10

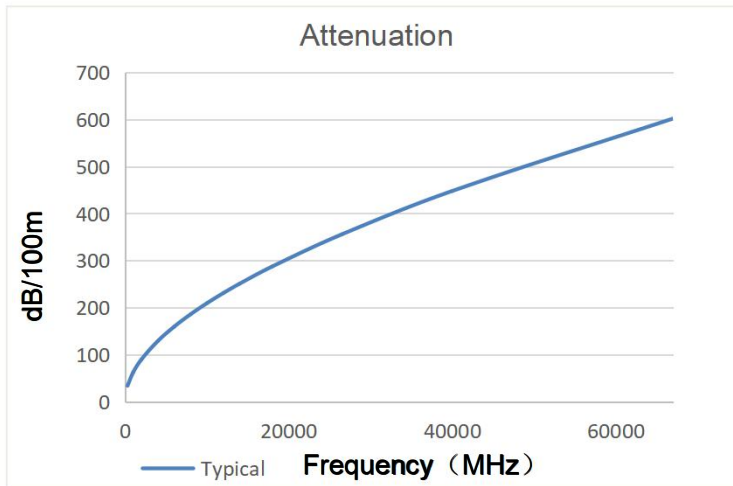
## Specifications

Impedance	50Ω
Operation Frequency	67GHz
Velocity of Propagation	74%
Shielding Effectiveness	90dB
Voltage Withstand	500V,DC
Time Delay	4.50ns/m
Phase Stability(Bending)	±5° 67GHz
Amplitude Stability	±0.05dB 67GHz
Bend Radius:repeated	28mm
Bend Radius:installation	11mm
Weight	20g/m
Temp, Operating&Installation	-55~165℃
Temp,storage	-65~165℃

The rights of technical information provided on the sheet belongs to Superlink.Contents cannot be 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)



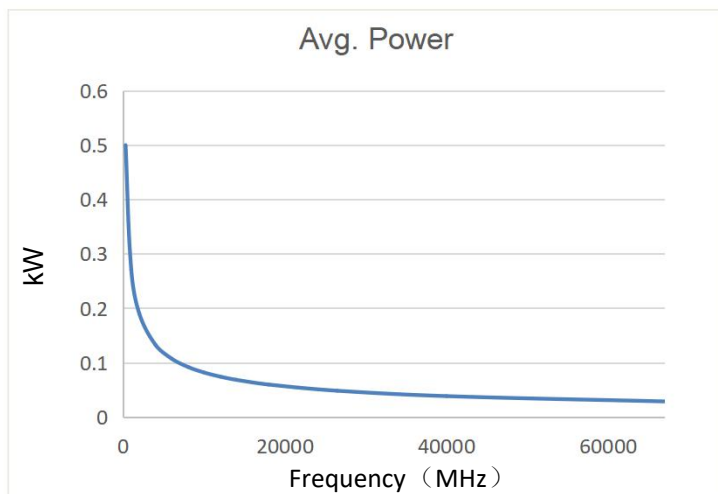
Frequency(MHz)	Attenuation (dB/100m)
300	34.2
1000	63.1
2000	90.1
4000	129.1
6000	159.7
8000	186.0
10000	209.5
12000	231.0
14000	251.0
18000	287.7
26500	355.9
40000	448.0
67000	601.9

$$K1= 1.950000$$

$$K2= 0.001450$$

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

## Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	0.500
1000	0.271
2000	0.190
4000	0.132
6000	0.107
8000	0.092
10000	0.082
12000	0.074
14000	0.068
18000	0.059
26500	0.048
40000	0.038
67000	0.028

Ver A-1