

Tbend-360

High Performance Microwave Coax Cable

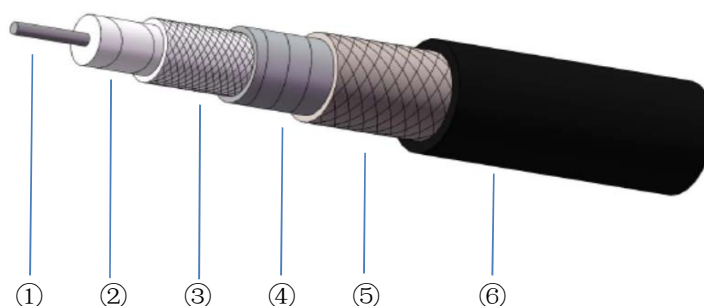
Product Description

Superlink Tbend series is an anti-bending&stretch low loss cable. It is equipped with steel braided shield and hard to be bended or stretched. The cable loss is low and electric performance is stable regardless of environment factors. Frequency up to 40 GHz. It is used in test instruments, aerospace and defend systems.

Feature & Benefit

- Multilayer Shielding
- 76%VP
- Excellent Bending Stability

Product Structure

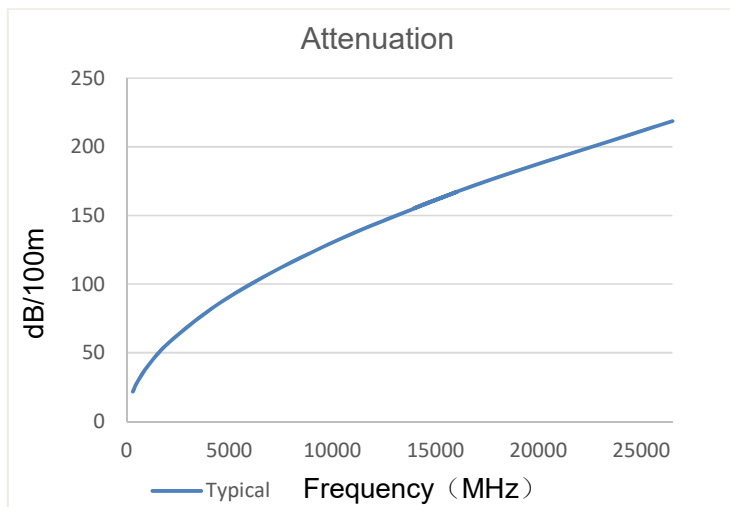


	①Center Conductor	②Dielectric	③Outer Conductor	④Inner Layer	⑤Outer shield	⑥Jacket
Material	SPC	LD PTFE	SPC	AL-foil	SPC	FEP
Size (mm)	0.91±0.03	2.72±0.05	2.79±0.05	2.95±0.07	3.20±0.12	3.60±0.15

Specifications

Impedance	50Ω
Operation Frequency	26.5GHz
Velocity of Propagation	76%
Shielding Effectiveness	90dB
Voltage Withstand	1500V,DC
Time Delay	4.38ns/m
Phase Stability(Bending)	±8° 26.5GHz
Amplitude Stability	±0.15dB 26.5GHz
Bend Radius:repeated	36mm
Bend Radius:installation	9mm
Weight	31g/m
Temp, Operating&Installation	-55~165°C
Temp,Storage	-65~165°C

Attenuation (Typical@25°C VSWR=1.0)



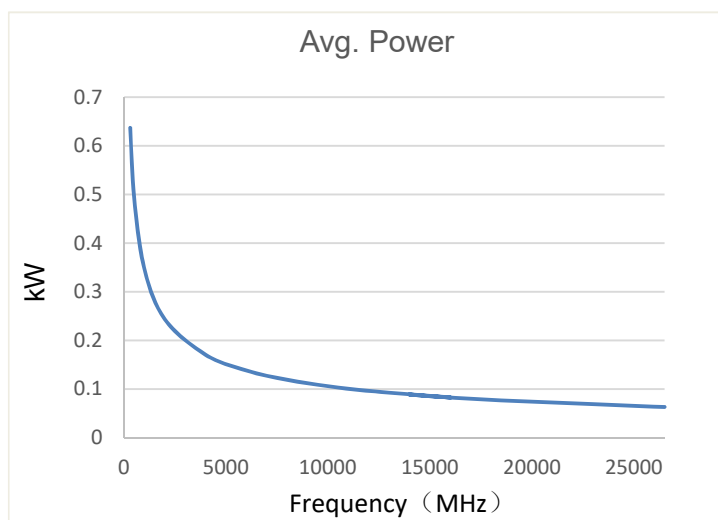
Frequency(MHz)	Attenuation (dB/100m)
300	21.6
500	28.0
1000	39.8
2000	56.7
4000	80.9
6000	99.8
8000	115.9
10000	130.3
12000	143.4
16000	167.0
14000	155.6
18000	177.8
26500	218.8

$$K1= 1.238070$$

$$K2= 0.000650$$

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

Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	0.637
500	0.492
1000	0.346
2000	0.243
4000	0.170
6000	0.138
8000	0.119
10000	0.106
12000	0.096
16000	0.083
14000	0.089
18000	0.078
26500	0.063

Ver A-1