

# Tbend-260

High Performance Microwave Coax Cable

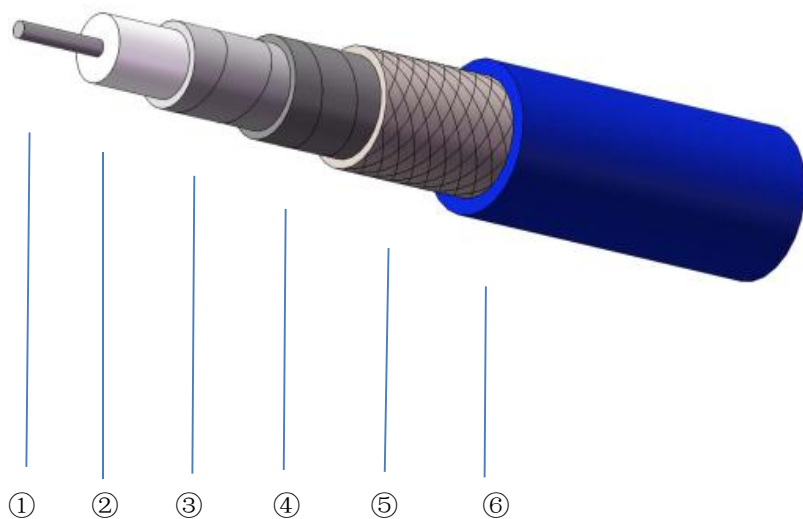
## Product Description

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
- 70%VP
- Excellent Bending Stability
- Low Single-end Insertion Loss

## Product Structure

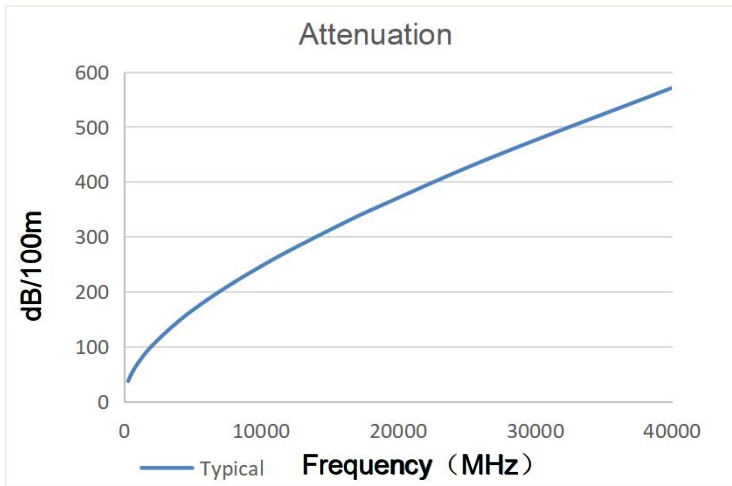


	①Center Conductor	②Dielectric	③Outer Conductor	④Inner Layer	⑤Outer shield	⑥Jacket
Material	SPC	LD PTFE	SPC	AL-foil	SPC	FEP
Size (mm)	0.51±0.02	1.65±0.05	1.85±0.05	2.00±0.10	2.30±0.10	2.60±0.15

## Specifications

Impedance	50Ω
Operation Frequency	40GHz
Velocity of Propagation	70%
Shielding Effectiveness	90dB
Voltage Withstand	1000V,DC
Time Delay	4.76ns/m
Bend Radius:repeated	26mm
Bend Radius:installation	13mm
Weight	20g/m
Temp, Operating&Installation	-55~165°C
Temp,Storage	-65~165°C

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



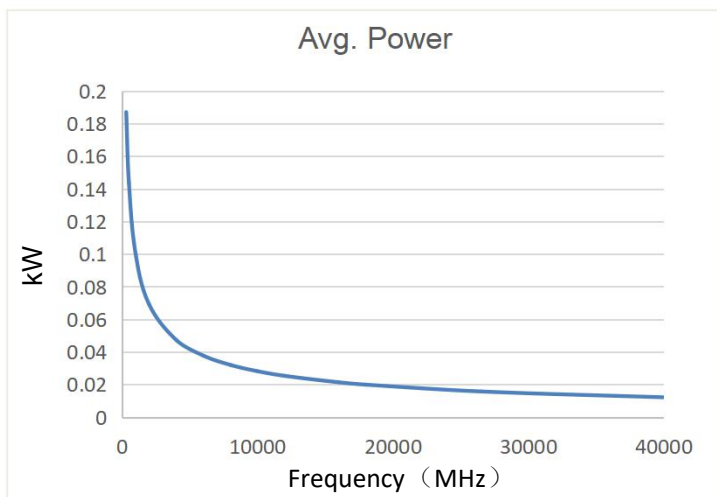
Frequency(MHz)	Attenuation (dB/100m)
300	37.0
500	48.2
1000	69.3
2000	100.3
4000	146.5
6000	183.7
8000	216.4
10000	246.1
12000	273.7
16000	324.4
18000	348.2
26500	440.8
40000	570.9

$$K1= 2.066929$$

$$K2= 0.003937$$

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

## Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	0.187
500	0.144
1000	0.100
2000	0.069
4000	0.047
6000	0.038
8000	0.032
10000	0.028
12000	0.025
16000	0.021
18000	0.020
26500	0.016
40000	0.012

Ver A-1