

Nbend-260

High Performance Microwave Coax Cable

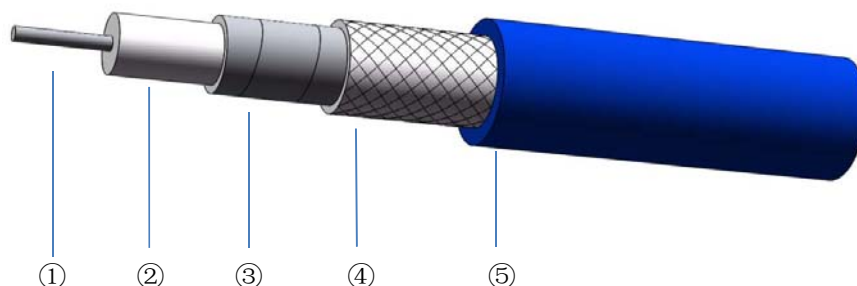
Product Description

Superlink Nbend series is high performance semi-flexible replacement cable. It is more flexible than ordinary semi-flexible cable. The outer conductor of Nbend is helical wrap of silver-plated copper. The helical tape outer conductor minimized electrical length while bending and achieve lower loss. Nbend has been widely used for microwave interconnection, RF test and commercial telecom.

Feature & Benefit

- Solid PTFE+SPC Foil
- Better bending performance
- Equivalent to Tflex-405
- Replace to MultiFlex-86

Product Structure



	①Center Conductor	②Dielectric	③Outer Conductor	④Outer shield	⑤Jacket
Material	SPC	Solid PTFE	SPC	SPC	FEP
Size (mm)	0.51±0.02	1.63±0.05	1.85±0.05	2.20±0.10	2.60±0.10

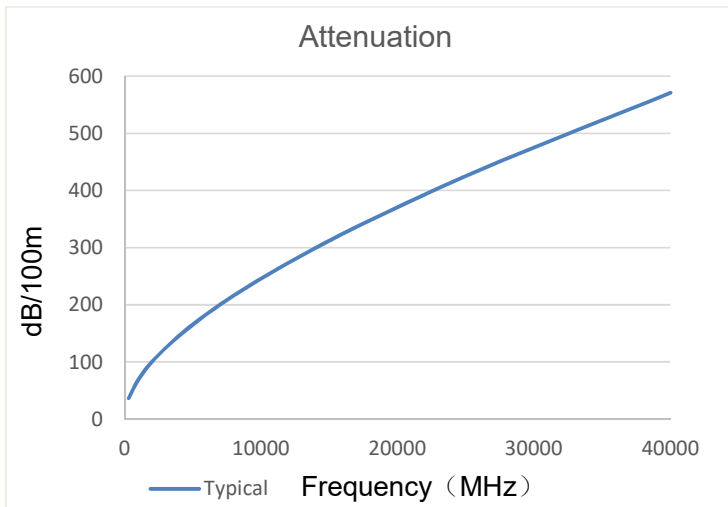
Specifications

Impedance	50Ω
Operation Frequency	40GHz
Velocity of Propagation	70%
Shielding Effectiveness	90dB
Voltage Withstand	1000V,DC
Time Delay	4.76ns/m
Phase Stability(Bending)	±5° 26.5GHz
Amplitude Stability	±0.20dB 26.5GHz
Bend Radius:repeated	26mm
Bend Radius:installation	14mm
Weight	22g/m
Temp, Operating&Installation	-55~125°C
Temp,Storage	-65~125°C

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Attenuation (Typical@25°C VSWR=1.0)



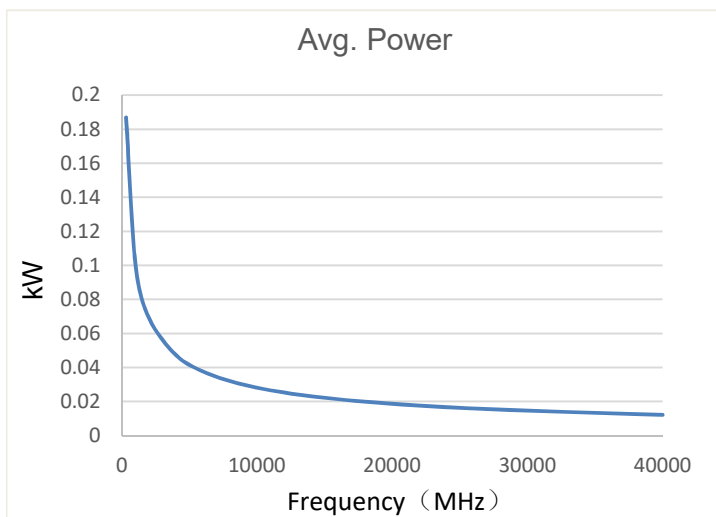
Frequency(MHz)	Attenuation (dB/100m)
300	37.0
1000	69.3
2000	100.3
4000	146.5
6000	183.7
8000	216.4
10000	246.1
12000	273.7
14000	299.7
15000	312.2
18000	348.2
26500	440.8
40000	570.9

$$K1= 2.066929$$

$$K2= 0.003937$$

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

Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	0.187
1000	0.100
2000	0.069
4000	0.047
6000	0.038
8000	0.032
10000	0.028
12000	0.025
14000	0.023
15000	0.022
18000	0.020
26500	0.016
40000	0.012

Ver A-1