

Nbend-400

High Performance Microwave Coax Cable

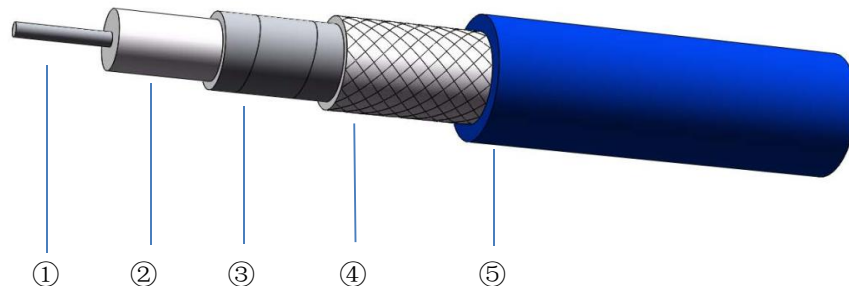
Product Description

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-402
- Replace to MultiFlex-141

Product Structure



	①Center Conductor	②Dielectric	③Outer Conductor	④Outer shield	⑤Jacket
Material	SPC	Solid PTFE	SPC	SPC	FEP
Size (mm)	0.91±0.02	3.00±0.05	3.20±0.05	3.50±0.10	4.00±0.10

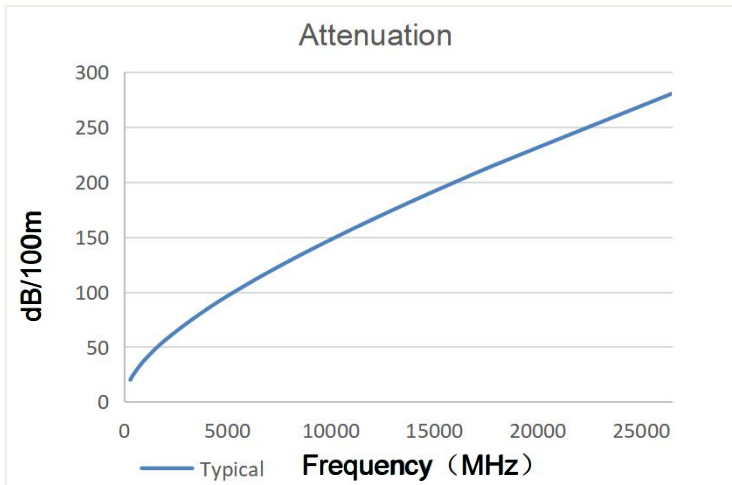
Specifications

Impedance	50Ω
Operation Frequency	26.5GHz
Velocity of Propagation	70%
Shielding Effectiveness	90dB
Voltage Withstand	1500V,DC
Time Delay	4.76ns/m
Phase Stability(Bending)	±8° 26.5GHz
Amplitude Stability	±0.10dB 26.5GHz
Bend Radius:repeated	40mm
Bend Radius:installation	20mm
Weight	49g/m
Temp, Operating&Installation	-55~125°C
Temp,Storage	-65~125°C

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Shenzhen Superlink Technology Co.,Ltd
 Website: www.slkcorp.com
 Tel: +86 755-89814648

Attenuation (Typical@25°C VSWR=1.0)



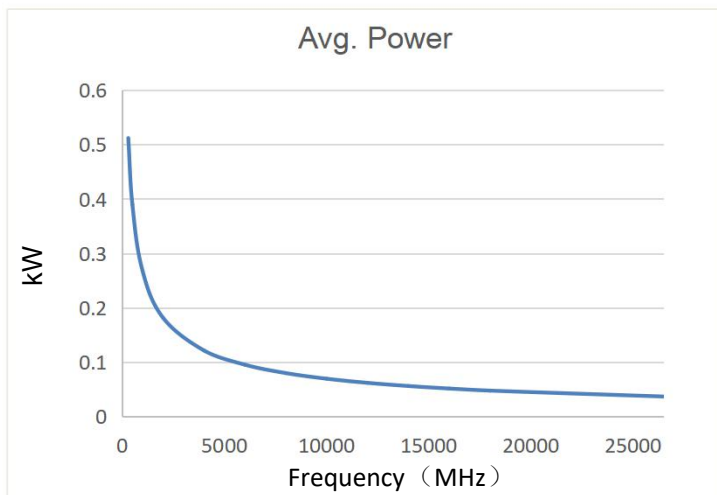
Frequency(MHz)	Attenuation (dB/100m)
300	19.9
500	26.2
1000	38.2
2000	56.3
4000	84.2
6000	107.5
8000	128.3
10000	147.6
12000	165.8
14000	183.2
16000	199.9
18000	216.1
26500	280.5

$$K1= 1.082400$$

$$K2= 0.003937$$

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

Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	0.512
500	0.390
1000	0.267
2000	0.181
4000	0.121
6000	0.095
8000	0.080
10000	0.069
12000	0.062
14000	0.056
16000	0.051
18000	0.047
26500	0.036

Ver A-1