

Nbend-180

High Performance Microwave Coax Cable

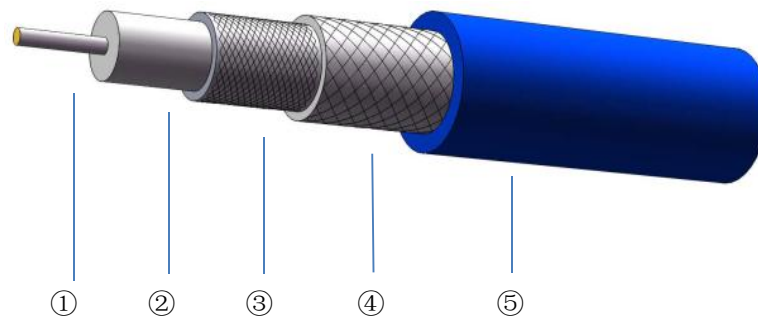
Product Description

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 Braid
- Replacce to Tflex047

Product Structure



	①Center Conductor	②Dielectric	③Outer Conductor	④Outer shield	⑤Jacket
Material	SPC	Solid PTFE	SPC	SPC	FEP
Size (mm)	0.29±0.02	0.94±0.05	1.12±0.05	1.43±0.10	1.80±0.10

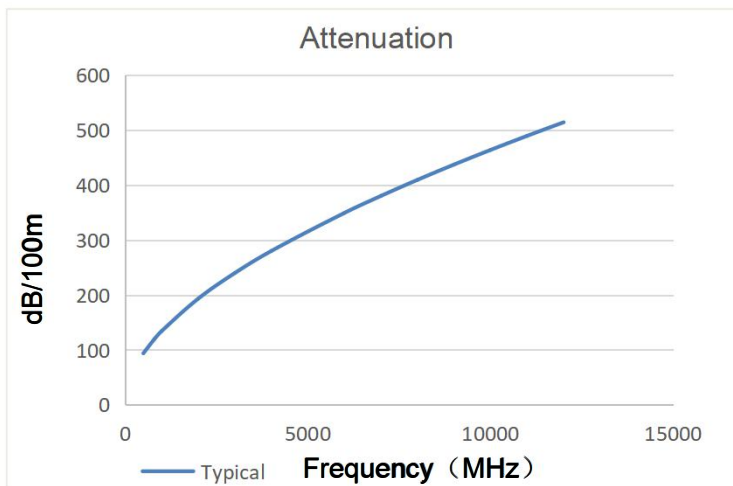
Specifications

Impedance	50Ω
Operation Frequency	12GHz
Velocity of Propagation	70%
Shielding Effectiveness	90dB
Voltage Withstand	500V,DC
Time Delay	4.76ns/m
Phase Stability(Bending)	±5° 11GHz
Amplitude Stability	±0.15dB 11GHz
Bend Radius:repeated	18mm
Bend Radius:installation	6mm
Weight	7g/m
Temp, Operating&Installation	-55~125°C
Temp, Storage	-65~125°C

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Attenuation (Typical@25°C VSWR=1.0)



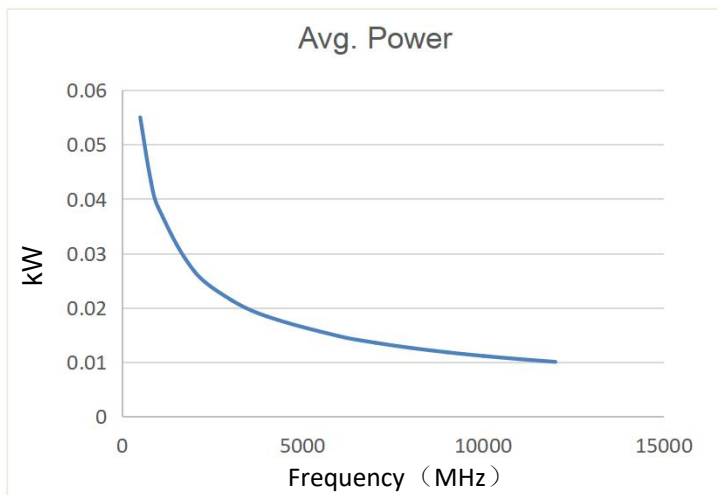
Frequency(MHz)	Attenuation (dB/100m)
500	93.6
800	119.4
1000	134.1
2000	193.1
3000	239.6
4000	279.8
6000	349.1
7000	380.1
8000	409.3
9000	437.2
10000	463.8
11000	489.4
12000	514.1

$$K1= 4.057000$$

$$K2= 0.005810$$

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

Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
500	0.055
800	0.043
1000	0.038
2000	0.027
3000	0.021
4000	0.018
6000	0.015
7000	0.014
8000	0.013
9000	0.012
10000	0.011
11000	0.011
12000	0.010

Ver A-1