

Nbend-160

High Performance Microwave Coax Cable

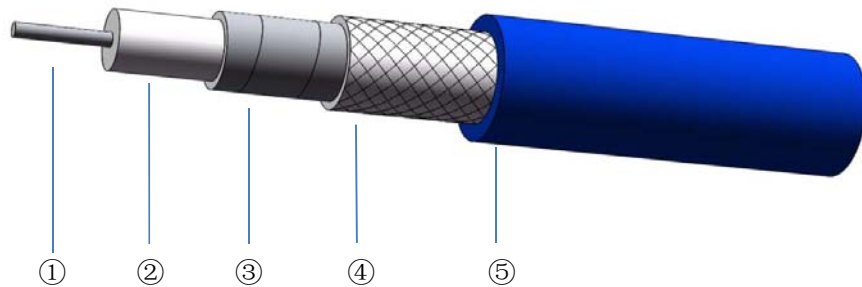
Product Description

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-047

Product Structure

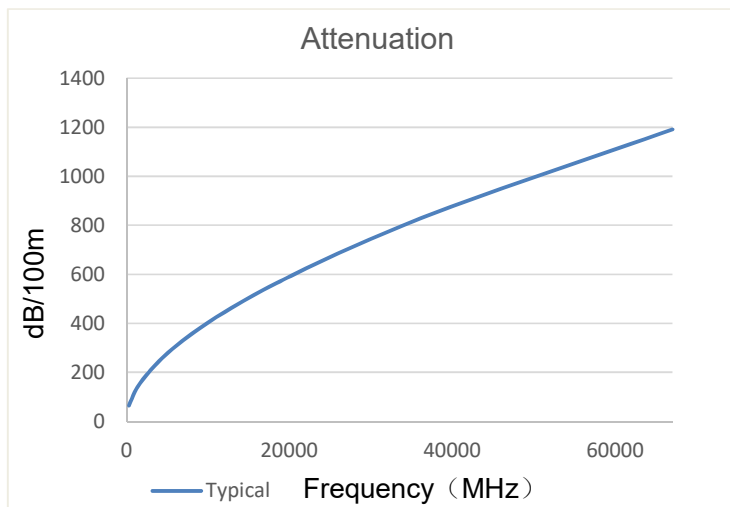


	①Center Conductor	②Dielectric	③Outer Conductor	④Outer shield	⑤Jacket
Material	SPC	Solid PTFE	SPC	SPC	FEP
Size (mm)	0.29±0.02	0.94±0.05	1.11±0.08	1.29±0.10	1.60±0.10

Specifications

Impedance	50Ω
Operation Frequency	67GHz
Velocity of Propagation	70%
Shielding Effectiveness	90dB
Voltage Withstand	500V,DC
Bend Radius:repeated	16mm
Bend Radius:installation	6mm
Weight	7g/m
Temp, Operating&Installation	-55~125℃
Temp,Storage	-65~125℃

Attenuation (Typical@25°C VSWR=1.0)



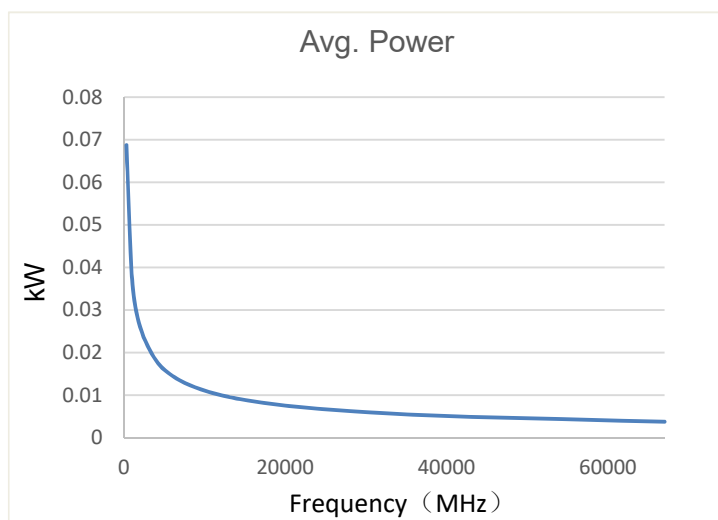
Frequency(MHz)	Attenuation (dB/100m)
300	64.7
1000	119.8
2000	171.5
4000	246.7
6000	306.1
8000	357.2
10000	403.2
12000	445.4
14000	484.8
18000	557.4
26500	692.9
40000	878.0
67000	1190.8

$$K1= 3.674016$$

$$K2= 0.003580$$

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

Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	0.069
1000	0.037
2000	0.026
4000	0.018
6000	0.015
8000	0.012
10000	0.011
12000	0.010
14000	0.009
18000	0.008
26500	0.006
40000	0.005
67000	0.004

Ver A-1