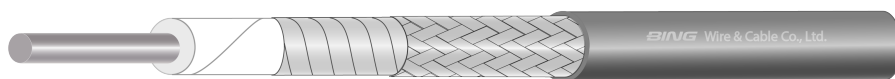


SFB220A, Ultra Low Loss Microwave Coaxial Cable, 2.20mm Outer Diameter



Cable Design

Inner Conductor	0.53mm	Solid Silver Plated Copper
Dielectric	1.52mm	Ultra Low Density PTFE Tape
Outer Conductor		Silver Plated Copper Tape
	1.90mm	Silver Plated Copper Braid
Jacket	2.20mm	Extruded FEP

Electrical Cable Characteristic

Impedance	50 Ohm
Cutoff Frequency	61 GHz
Capacitance	81 pF/m
Velocity of Propagation	82%
Max. Operating Volatage	5000 VRMS
Shielding Effectiveness	>100 dB @ 1 GHz

Mechanical Cable Characteristic

Temperature Range	-55 ~ +200 °C
Min. Static Bend Radius -	9 mm
Min. Dynamic Bend Radius	38
Weight	19 g/m
RoHS Compliant	Yes

Cable Attenuation & Power

Frequency (GHz)	Attenuation(dB/m)	Power (W)
0.300	0.346	180
0.500	0.448	140
1.000	0.637	97
3.000	1.119	55
5.000	1.658	42
6.000	1.760	39
8.000	1.865	33
10.000	2.098	29
12.400	2.352	26
18.000	2.871	22
26.500	4.408	18
35.000	5.245	15
40.000	5.708	14

High Performance
Ultra Low Loss Microwave
Coaxial Cable

SFB220A

Replacement for Gore CXN3506
Replacement for Micro-Coax UFB088D

Features and Benefits :

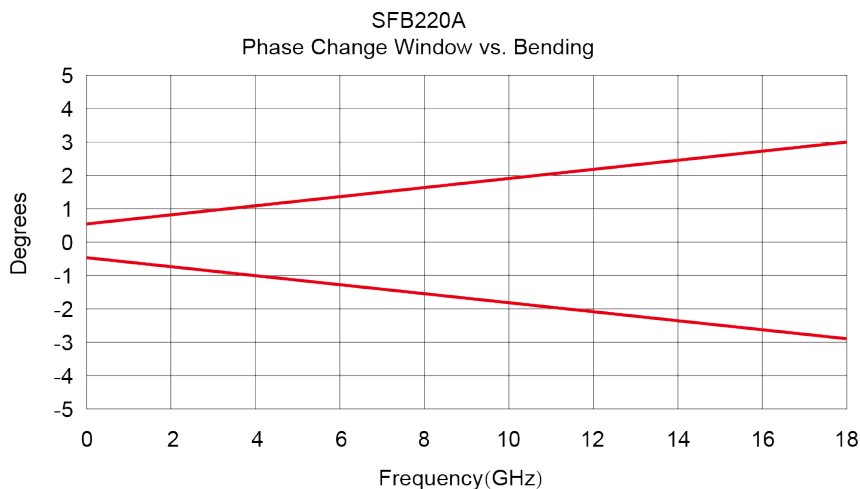
- Good mechanical phase stability
- Good temperature phase stability
- Extremely low loss
- Good amplitude stability
- Good shield performance
- Good bending performance
- Good power handing capability

Typical Applications:

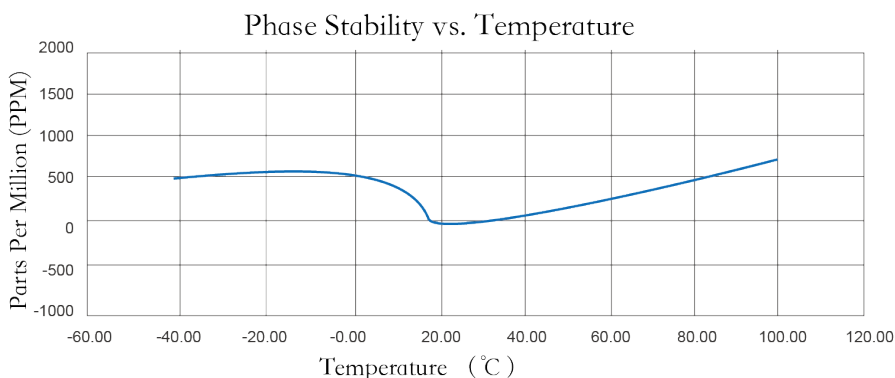
- Military vehicles
- Missile
- Electronic warfare
- Radar equipment
- Shipboard system
- Airborne platform
- System interconnection
- Satellites
- Ablation equipment

Please consult us for the required connectors.
We can supply cable harnesses made to your requirements.
Also available: High Dynamic Coaxial Cable.

Phase Change versus Bending



Phase Stability versus Temperature



High Performance
Ultra Low Loss Microwave
Coaxial Cable

SFB220A

Replacement for Gore CXN3506
Replacement for Micro-Coax UFB088D

Features and Benefits :

- Good mechanical phase stability
- Good temperature phase stability
- Extremely low loss
- Good amplitude stability
- Good shield performance
- Good bending performance
- Good power handing capability

Typical Applications:

- Military vehicles
- Missile
- Electronic warfare
- Radar equipment
- Shipboard system
- Airborne platform
- System interconnection
- Satellites
- Ablation equipment

Please consult us for the required connectors.
We can supply cable harnesses made to your requirements.
Also available: High Dynamic Coaxial Cable.