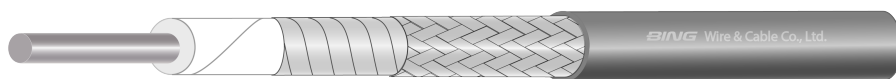


SFB360D, Ultra Low Loss Microwave Coaxial Cable, 3.60mm Outer Diameter



High Performance
Ultra Low Loss Microwave
Coaxial Cable

SFB360D

Replacement for Gore CXN3507
Replacement for Micro-Coax UFB142A

Cable Design

| | | |
|-----------------|--------|-----------------------------|
| Inner Conductor | 0.94mm | Solid Silver Plated Copper |
| Dielectric | 2.60mm | Ultra Low Density PTFE Tape |
| Outer Conductor | | Silver Plated Copper Tape |
| | 3.20mm | Silver Plated Copper Braid |
| Jacket | 3.60mm | Extruded FEP |

Electrical Cable Characteristic

| | |
|-------------------------|-----------|
| Impedance | 50 Ohm |
| Cutoff Frequency | 46 GHz |
| Capacitance | 80.4 pF/m |
| Velocity of Propagation | 83% |
| Max. Operating Volatage | 3000 VRMS |
| Shielding Effectiveness | >100 dB |

Mechanical Cable Characteristic

| | |
|---------------------------|---------------|
| Temperature Range | -55 ~ +200 °C |
| Min. Static Bend Radius - | 10 mm |
| Min. Dynamic Bend Radius | 38 mm |
| Weight | 32 g/m |
| RoHS Compliant | Yes |

Cable Attenuation & Power

| Frequency (GHz) | Attenuation(dB/m) | Power (W) |
|-----------------|-------------------|------------|
| 0.300 | 0.204 | 94 |
| 0.500 | 0.264 | 72 |
| 1.000 | 0.375 | 51 |
| 3.000 | 0.657 | 29 |
| 5.000 | 0.854 | 23 |
| 6.000 | 0.938 | 20 |
| 8.000 | 1.090 | 18 |
| 10.000 | 1.224 | 16 |
| 12.400 | 1.370 | 14 |
| 18.000 | 1.667 | 11.5 |
| 26.500 | 2.048 | 9.4 |
| 35.000 | 2.430 | 8.1 |
| 40.000 | 2.557 | 7.5 |

Features and Benefits :

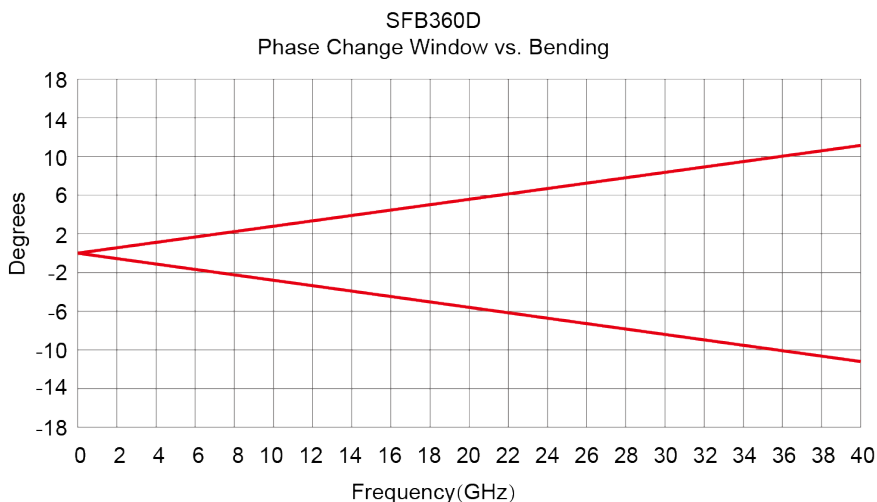
- Good mechanical phase stability
- Good temperature phase stability
- Extremely low loss
- Good amplitude stability
- Good shield performance
- Good bending performance
- Good power handing capability

Typical Applications:

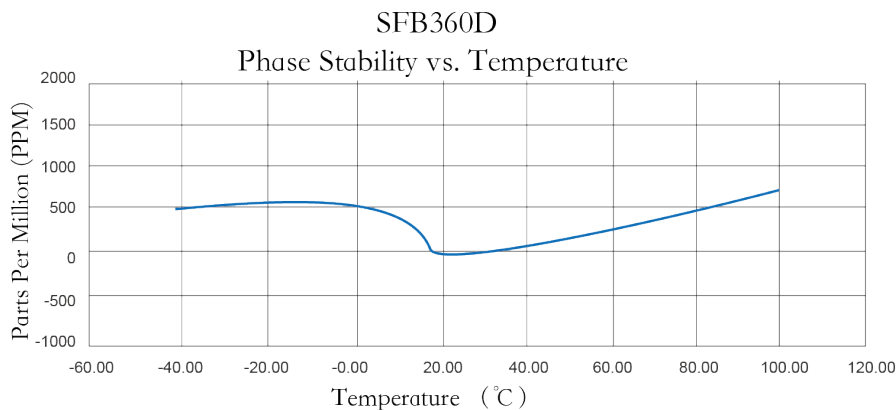
- Military vehicles
- Missile
- Electronic warfare
- Radar equipment
- Shipboard system
- Airborne platform
- System interconnection
- Satellites
- Ablation equipment

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

SFB360D

Replacement for Gore CXN3507
Replacement for Micro-Coax UFB142A

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.