

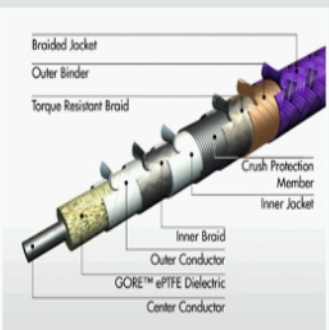
Microwave Assembly Part Number: OUR01R010600

W. L. Gore & Associates has developed and proven a wide range of products specifically tailored to the RF / microwave industry. Since 1976, when Gore first introduced our microwave assemblies, Gore has remained a worldwide leader in providing custom microwave assemblies for demanding applications. Typical applications using GORE & Microwave Assemblies include: test, aerospace, defense, telecommunications and general purpose. With an unmatched history in demanding environments, you may be assured that Gore will provide the reliable products necessary to meet your individual system requirements.

GORE™ Mini-CP Cable is internally ruggedized with excellent phase and amplitude stability. With the ruggedization designed into the cable, the assemblies have excellent durability while remaining exceptionally lightweight and flexible. The exceptional performance of mini-cp cable enables accurate and repeatable measurements while limiting the need to perform time consuming calibrations between measurements.

SPECIFICATIONS

|                                               |             |
|-----------------------------------------------|-------------|
| Max Frequency GHz                             | 18          |
| Impedance Ohms                                | 50          |
| Center Conductor                              | Stranded    |
| Dielectric Constant (nominal)                 | 1.4         |
| Velocity of Propagation                       | 0.85        |
| Temperature °C                                | -55 to 125  |
| Nominal Outer Diameter in. (mm)               | 0.305 (7.7) |
| Minimum Bend Radius (multiple bends) in. (mm) | 1 (25.4)    |
| Nominal Weight g/ft (g/m)                     | 45 (147.6)  |
| Crush Resistance lb/linear in.                | 250         |
| Typical Insertion Loss dB at 18 GHz           | -2.1494     |
| Guaranteed Insertion Loss dB at 18 GHz        | -2.5476     |
| Guaranteed VSWR at 18 GHz                     | 1.35:1      |
| Guaranteed Return Loss dB                     | -16.53      |
| Phase Stability +/- °                         | 4.66        |
| Amplitude Stability +/- dB                    | 0.25        |



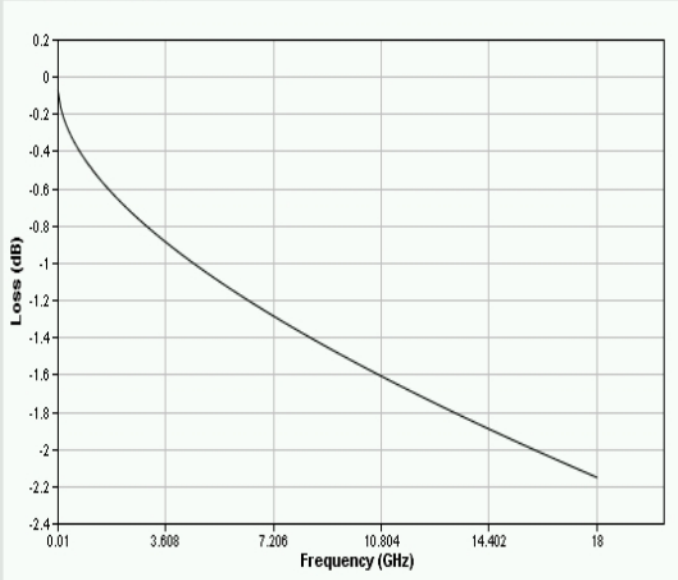
KEY FEATURES

- Phase and amplitude stability
- Crush, torque and kink resistant
- Phase matching options
- Replaceable interface options/adapters

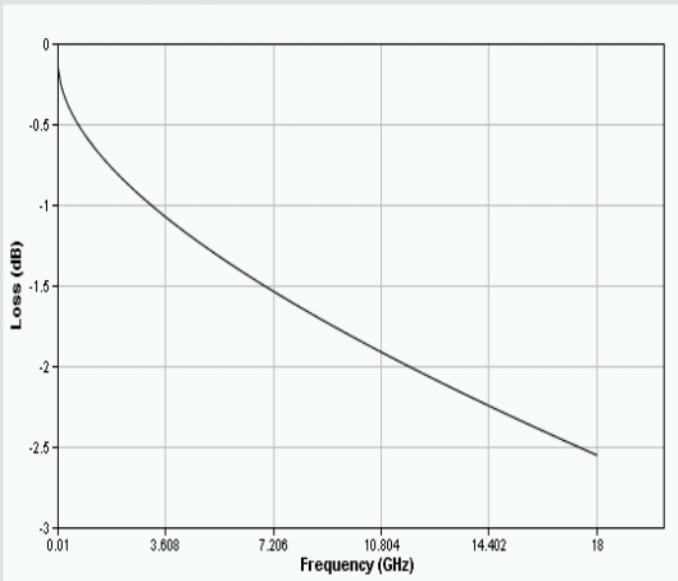
KEY BENEFITS

- Longer calibration intervals
- Longer field-service life
- Suited for parallel or comparative measurements
- Reduced risk of assembly damage

TYPICAL INSERTION LOSS

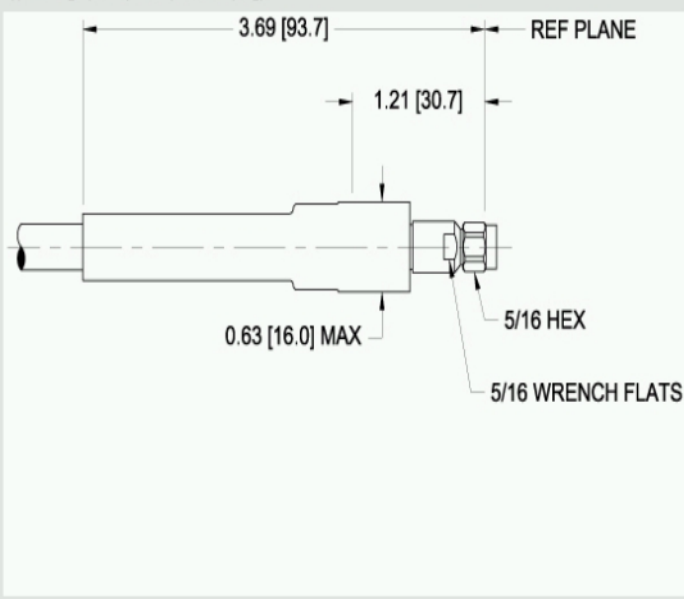


GUARANTEED INSERTION LOSS



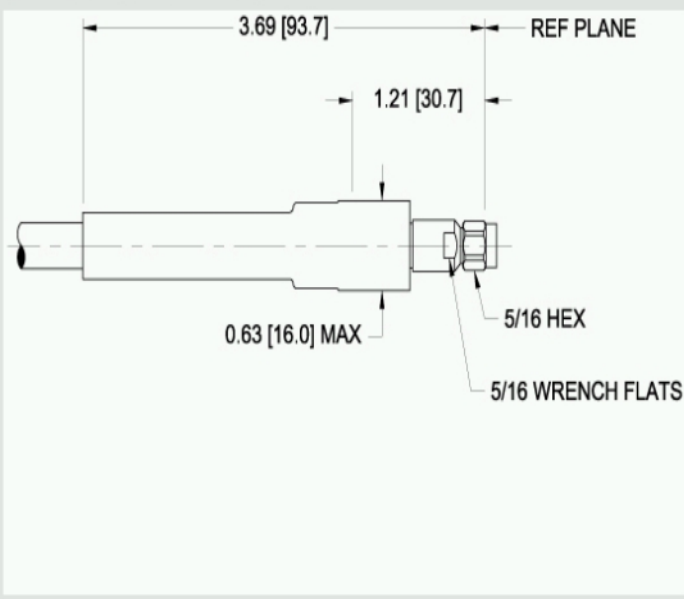
CONNECTOR A

Type: Straight, Family: SMA, Sex: Pin (Plug)



CONNECTOR B

Type: Straight, Family: SMA, Sex: Pin (Plug)



Disclaimer - Envelope dimensions provided herein are for reference only and are subject to change without notice. Contact Gore with any questions.

Phone (In USA) : 1-800-445-GORE (800-445-4673) Phone (outside the US) : +1/302-292-5100  
The data in this datasheet applies to standard GORE & Microwave / RF Cable Assemblies and performance may vary based on specific application conditions.