

Gore Cable Assembly Builder

Microwave Assembly Part Number FF0CN0CL0250

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™ VNA Microwave Test Assemblies provide the ultimate in performance for precision test applications through 67 GHz, where constant and/or highly repetitive movements occur, as with a vector network analyzer. Extremely precise phase and amplitude stability versus flexure provides the highest accuracy and the greatest time interval between recalibrations.

A unique, patented armor system provides a high degree of limpness and low springback while assuring long flex life. These assemblies employ NMD-style ruggedized connectors for direct attachment to VNA test ports and allow the use of test port compatible adapters for best durability and stability. GORE™ VNA Microwave Test Assemblies are modular making cost-effective refurbishment practical, even after 100,000 operations. Standard length assemblies of 25", 38" and 48" are available.

Specifications

Max Frequency GHz	70
Impedance Ohms	50
Center Conductor	Solid
Dielectric Constant (nominal)	1.4
Velocity of Propagation	0.85
Temperature °C	20 to 30
Nominal Outer Diameter in. (mm)	0.600 (15.2)
Minimum Bend Radius (multiple bends) in. (mm)	2.25 (57.1)
Nominal Weight g/ft (g/m)	90 (295.3)
Crush Resistance lb/linear in.	800
Typical Insertion Loss dB at 67 GHz	-5.0691
Guaranteed Insertion Loss dB at 67 GHz	-5.8271
Guaranteed VSWR at 67 GHz	1.50:1
Guaranteed Return Loss dB	-13.99
Phase Stability +/- °	8.54
Amplitude Stability +/- dB	0.10

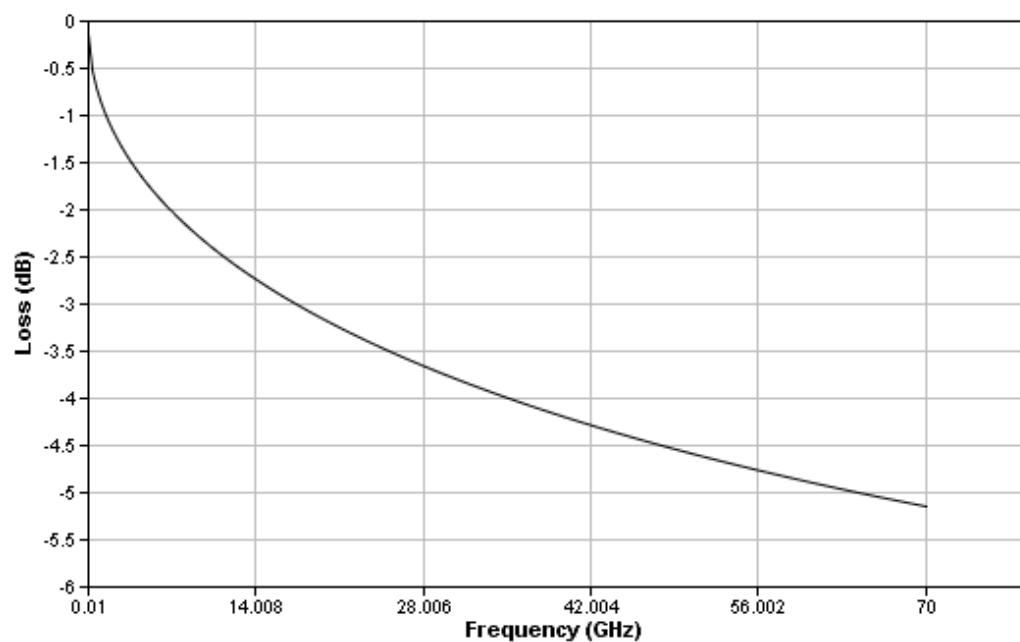
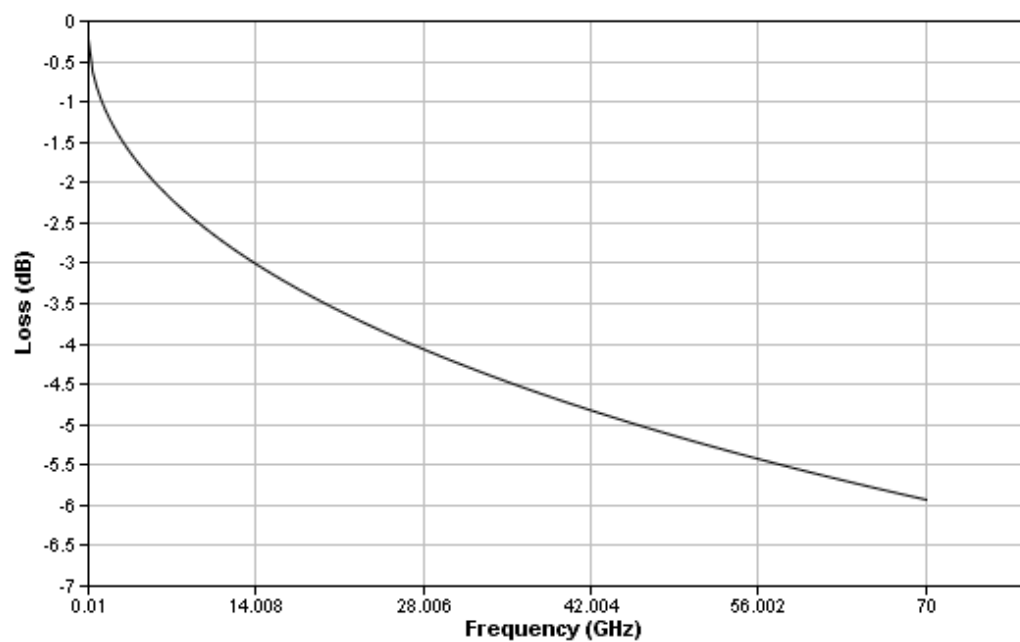


Key Features

- Phase and loss stability during flexure
- Crush and torque resistant
- Ruggedized NMD port connectors
- Highly flexible

Key Benefits

- Accurate measurements
- Long service life
- VNA-port compatible
- Easy to configure to device under test needs

Typical Insertion Loss**Guaranteed Insertion Loss**

Connector A

Type: Straight, Family: 1.85 mm / V (NMD/VNA), Sex: Port Socket

Drawing Unavailable

Connector B

Type: Straight, Family: 1.85 mm / V (VNA), Sex: DUT Socket

Drawing Unavailable

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.