Flexco Microwave, Inc.
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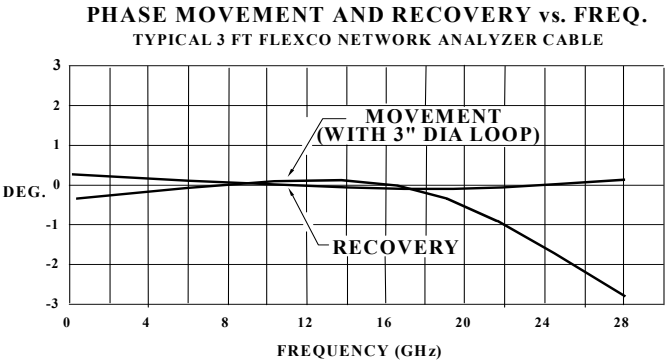
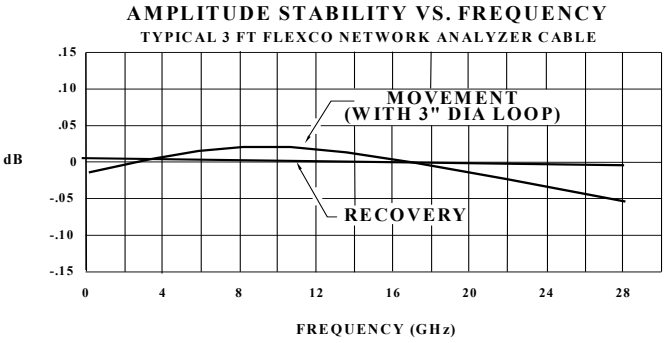
Port Murray, NJ 07865
Telephone 908 835 1720 Fax 908 835 0002
http://www.FlexcoMW.com e-mail: sales@FlexcoMW.com

NTC105 VANA Test Cable

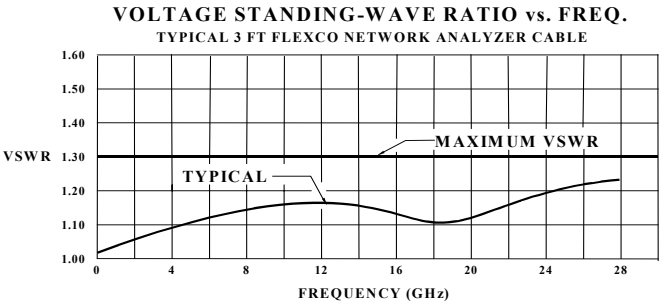
to 28 GHz



NTC105 VANA Test cables exhibit excellent phase stability when flexed permitting truly accurate measurements.



Change in amplitude measures less than 0.05 dB when flexed and returns virtually to zero when uncoiled.

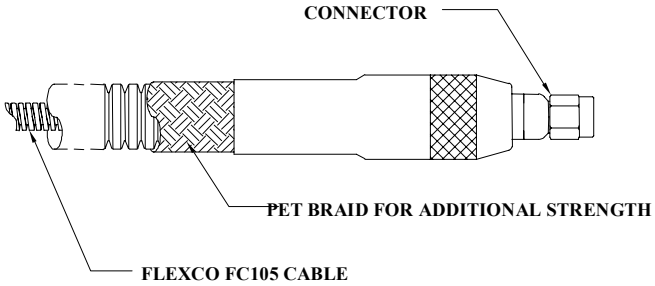


Typical VSWR compared to maximum specification. VSWR remains constant during flexing.

Electrical Characteristics:

Nominal Impedance:	50Ω
Velocity of Propagation:	80%
Effective Dielectric Constant:	1.57
Time Delay:	1.27 ns/ft
Shielding Effectiveness:	-90 dBc min.
Nominal Capacitance:	26.7 pF/ft
Dielectric Withstanding Voltage:	3.0 KV (rms)
Maximum Frequency:	28 GHz
∅ vs. Min. Bend Radius:	3° max. to 28 GHz
Maximum VSWR:	1.30:1
Phase Stability v. Flex. – 28 GHz	5ppm/°C

Insertion loss values at specific frequencies can be calculated by using the information provided on the *FC105 Flexible Coaxial Cable* specification sheet.



Physical Characteristics:

Center Conductor:	Stranded Silver Plated Copper (SPC) per ASTM-B8
Dielectric:	Expanded PTFE
Outer Conductor:	Strip wound oxygen free Copper per UNS 10200
Min. Bend Radius:	1.5"
Operating Temperature:	-40°C to +120°C
Protective Jacketing:	Non-metallic corrugated tubing
Outer Braid:	Polyester - PET
Cable Assembly Outer Diameter:	0.50" nominal

Available Connectors:

3.5 mm:	Plug, Jack, NMD
SMA:	Plug, Jack
N:	Plug, Jack
APC-7:	Sexless
K:	Plug, Jack, NMD
2.4 mm:	Plug, Jack, NMD
TNC:	Plug

Please refer to Table ¶ in the *Ordering Information* section for maximum connector frequencies and Flexco designation.