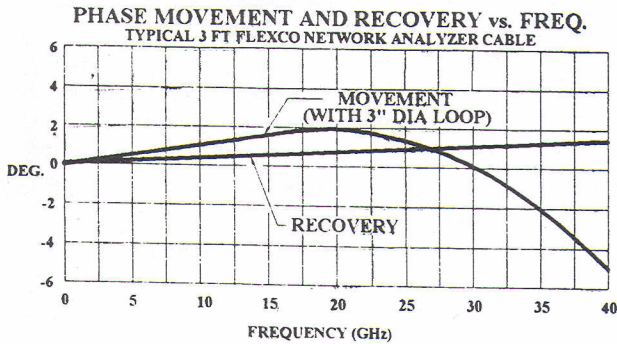


**Flexco Microwave, Inc.**

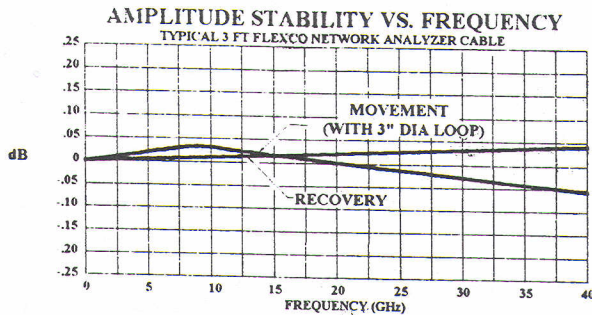
PO Box 115, 17 Karrville Road  
Port Murray, NJ 07865  
Telephone 908-835-1720  
Fax 908-835-0002  
E-mail sales@flexcoMW.com  
http://www.FlexcoMW.com



## NTC182 VANA Test Cable to 40 GHz



NTC182 VANA Test cables exhibit excellent phase stability when flexed permitting truly accurate measurements.

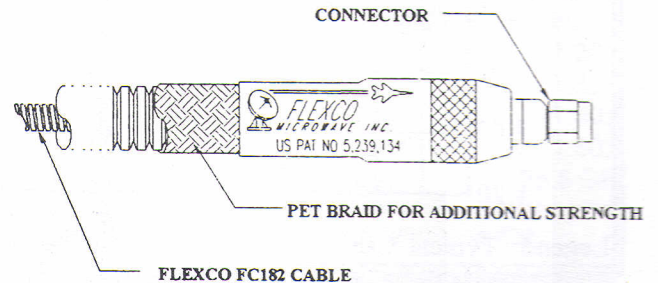


Change in amplitude measures less than 0.10 dB when flexed and exhibits excellent recovery.

### Electrical Characteristics:

Nominal Impedance:	50Ω
Velocity of Propagation:	69%
Effective Dielectric Constant:	2.10
Time Delay:	1.47 ns/ft
Shielding Effectiveness:	-90 dBc min.
Nominal Capacitance:	29 pF/ft
Dielectric Withstanding Voltage:	0.5 KV (rms)
Maximum Frequency:	40 GHz
Maximum VSWR:	1.45:1

Insertion loss values at specific frequencies can be calculated by using the information provided on the FC182 Flexible Coaxial Cable specification sheet.



### Physical Characteristics:

Center Conductor:	Solid Silver Plated Copper (SPC) per ASTM-B298
Dielectric:	PTFE per L-P-403
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 1 in the Ordering Information section for maximum connector frequencies and Flexco designation.