Flexco Microwave, Inc.
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Port Murray, NJ 07865
Telephone 908 835 1720 Fax 908 835 0002
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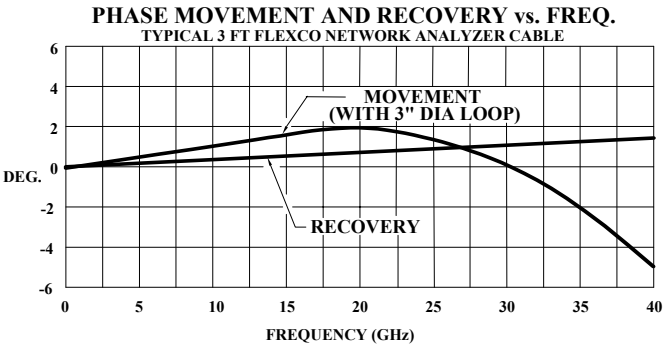
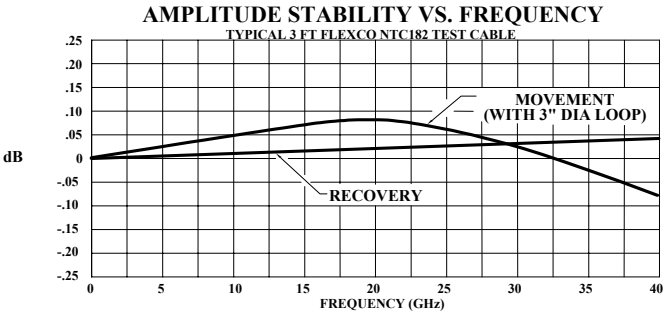
NTC182 VANA Test Cable

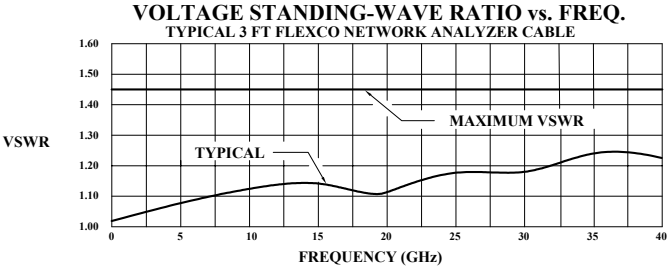
to 40 GHz



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.

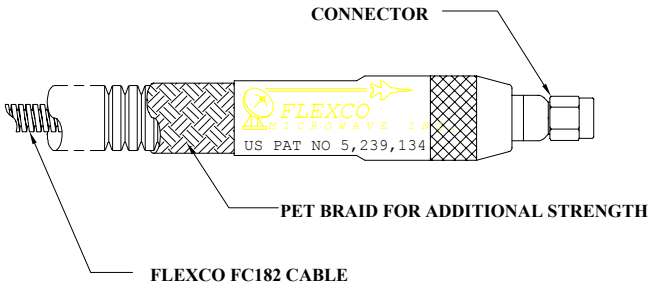


Typical VSWR compared to maximum specification. VSWR remains constant during flexing.

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 ❶ in the *Ordering Information* section for maximum connector frequencies and Flexco designation.