

## High Performance VNA Test & Measurement NMD Cable Assemblies

### FEATURES

- Excellent VSWR and Insertion Loss
- Excellent Amplitude and Phase stability with flexure
- Ruggedized armor provides excellent crush resistance
- Extremely long service life
- Reinforced connector
- Customized length and configuration

### MAIN APPLICATIONS

- Vector Network Analyzer Test port
- Lab and Production testing
- Precise Bench top testing



### CABLE SPECIFICATION

CABLE ASSEMBLY SERIES	VC185	VC24	VC292	VC35
Maximum Frequency (GHz)	67	50	40	26.5
Impedance (Ohms)	50	50	50	50
VSWR (Typical)	1.25	1.2	1.15	1.15
VSWR (Maximum)	1.35	1.3	1.25	1.2
Insertion Loss*	$5.93*L+0.6$	$3.29*L+0.5$	$2.92*L+0.4$	$2.35*L+0.35$
Phase Stability (°, Typical)	±4	±3	±3	±2
Amplitude Stability (dB, Typical)	±0.08	±0.05	±0.05	±0.05
Velocity of Propagation	81%	75%	75%	75%
Shielding Effectiveness (dB)	>100	>100	>100	>100
Mating Cycles (Typical)	5000	10000	20000	50000
Cable Bending Life (Typical)	20000	100000	100000	100000
Crush Resistance	145 kgf/cm	145 kgf/cm	145 kgf/cm	145 kgf/cm
Cable Outer Diameter (mm)	15.5	15.5	15.5	15.5
Dynamic Bending Radius (mm)	55	55	55	55
Operating Temperature (°C)	0~+28	0~+28	0~+28	0~+28

### NOTES

- The electrical specifications provided above are based on tests conducted at the maximum frequency using cable assemblies paired with straight connectors.
- \*Insertion Loss depends on the length of the cable assembly (L stands for the length of the cable assembly using meter as a unit).
- Cable assemblies are available in standard lengths of 25 in (0.64 m), 36 in (0.92 m), 48 in (1.22 m) or customized.

