

## VNA TEST CABLES

### FEATURES:

- ❖ Phase and amplitude stable with flexure
- ❖ Crush and Abrasion resistance
- ❖ Accurate measurements
- ❖ High Reliability
- ❖ High degree of flexibility and low spring-back



### APPLICATIONS:

- ❖ Wave shaping

### DESCRIPTION:

### CVNA Series

Cernex's VNA cable assemblies are designed for precision measurements with vector network analyzers, specifically for phase stable and amplitude stable test applications. CVNA series cables can provide reliable and repeatable measurements even after cable flexure.

### SPECIFICATIONS:

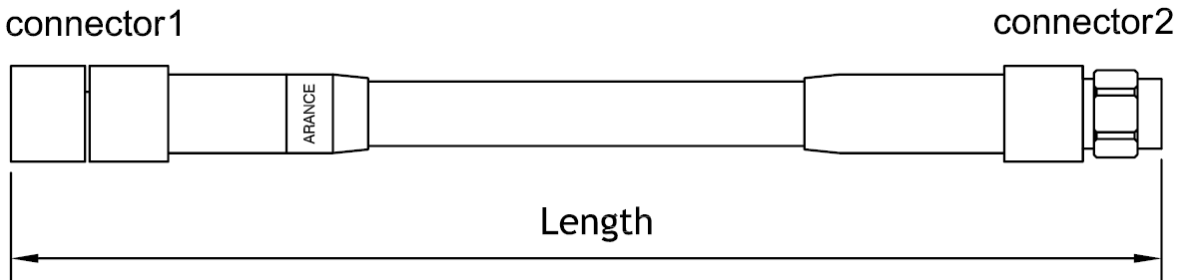
Frequency	18GHz	26.5GHz	40GHz
VSWR	1.23:1 max	1.25:1 max	1.30:1 max
Insertion Loss	≤1.5dB	≤1.8dB	≤2.5dB
Impedance	50Ω	50Ω	50Ω
Phase Stability (with a mandrel of 10cm diameter)	≤1.5°	≤2°	≤2.5°
Amplitude Stability (with a mandrel of 10cm diameter )	≤0.06dB	≤0.06dB	≤0.08dB

Mechanical Date	Inch/cm	Inch/cm	Inch/cm
Cable Length L1	24.8/63	24.8/63	24.8/63
Cable Length L2	38.2/97	38.2/97	38.2/97
Maximum Outer Diameter	0.6/1.52	0.6/1.52	0.6/1.52
Minimum Bend Radius	2.56/6.5	2.56/6.5	2.56/6.5

Environmental Requirements			
Operating Temperature	+20 ~ +26	+20 ~ +26	+20 ~ +26
Storage temperature	-40 ~ +75	-40 ~ +75	-40 ~ +75

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NOTE: Other lengths are also available upon request.



Model Number	Connector 1	Connector 2	Model Number	Connector 1	Connector 2	Length
C35FNMD-35FAPCVNA-L1			C24FNMD-24FAPCVNA-L1			63CM
	NMD3.5 female	APC3.5 female		NMD2.4 female	APC2.4 female	
C35FNMD-35MNMDVNA-L1			C24FNMD-24MNMDVNA-L1			63CM
	NMD3.5 female	NMD3.5 male		NMD2.4 female	NMD2.4 male	
C35FNMD-35FAPCVNA-L2			C24FNMD-24FAPCVNA-L2			97CM
	NMD3.5 female	APC3.5 female		NMD2.4 female	APC2.4 female	
CNM-NFVNA-L2						
	N type male	N type female				