VT Series
Vector Network Analyzer Test cable

Introduction

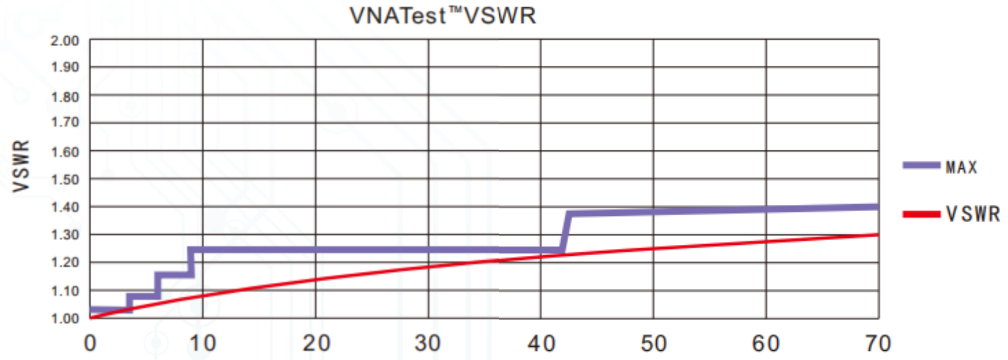
Engineered for precision Vector Network Analyzer (VNA) applications from DC to 67 GHz, the VT Series features a ruggedized stainless steel armor delivering exceptional crush and torque resistance. This robust architecture ensures outstanding phase stability and measurement repeatability under dynamic flexure, making it the ideal durable solution for demanding R&D and production environments.

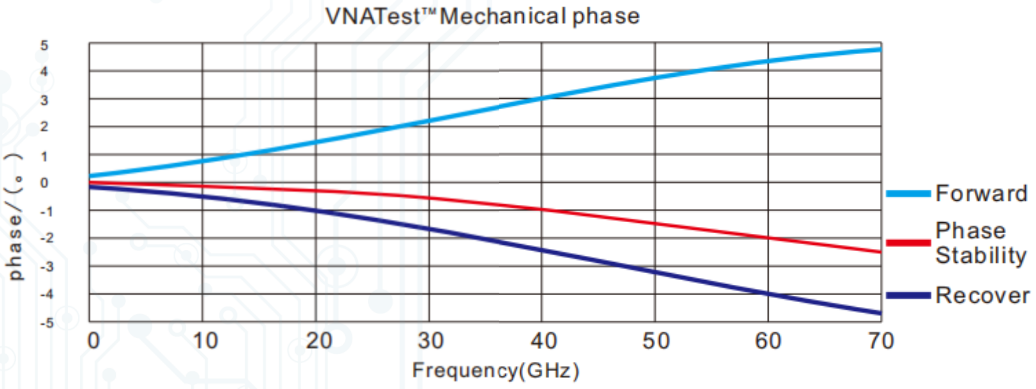
Features

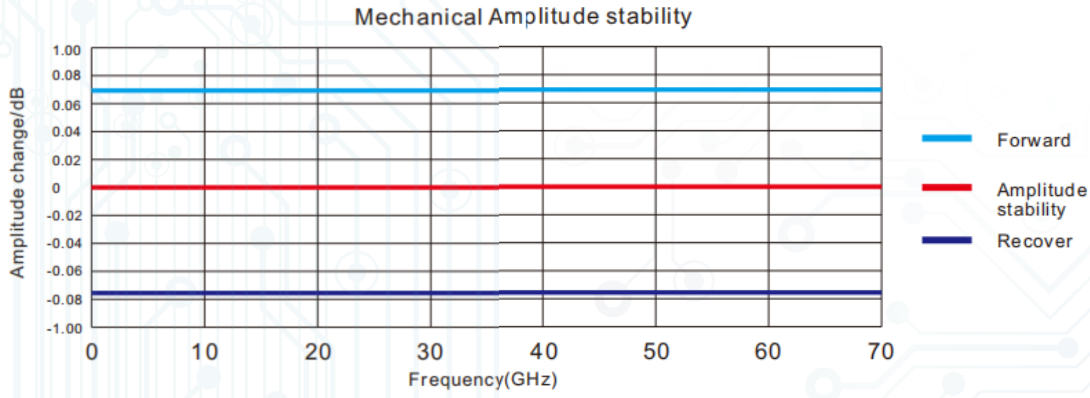
- Ensure precision Measurement
- Phase & Loss stables
- Triple shielded cable
- Long Flex Life
- Super Flexible
- Compression & Torsion Resistant
- Cost Effectiveness

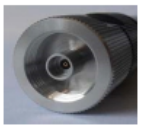
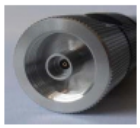
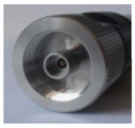
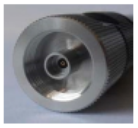
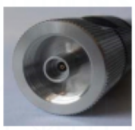
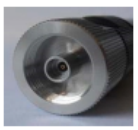
Specifications - up to 67G

Parameter	18GHz	26.5GHz	40GHz	50GHz	67GHz
Electrical Performance					
Connector, Male/Female	N-Type	3.5mm NMD3.5mm	NMD2.92mm APC2.92mm	NMD2.4mm APC2.4mm	1.85mm NMD1.85mm
VSWR	1.23:1 Max	1.25:1 max	1.30:1 max	1.30:1 max	1.35:1 max
Shielding Efficiency	-100dB				
Insertion loss	≤1.5dB	≤1.8dB	≤2.5dB	≤3.2dB	≤5.2dB
Impedance	50 Ω				
Phase stability (with mandrel of 10cm diameter)	≤1.5°	≤2°	≤2.5°	≤2.5°	≤3°
Amplitude stability(with mandrel of 10cm diameter)	≤0.05dB	≤0.06dB	≤0.08dB	≤0.1dB	≤0.15dB
Mechanical					
Cable Length standard (custom available)	63 cm				
Maximum outer diameter	1.52cm				
Minimum bend radius	6.5 cm				
Environmental					
Operating temperature	-40 ~ +85˚C				
Storage temperature	-45 ~ +85˚C				

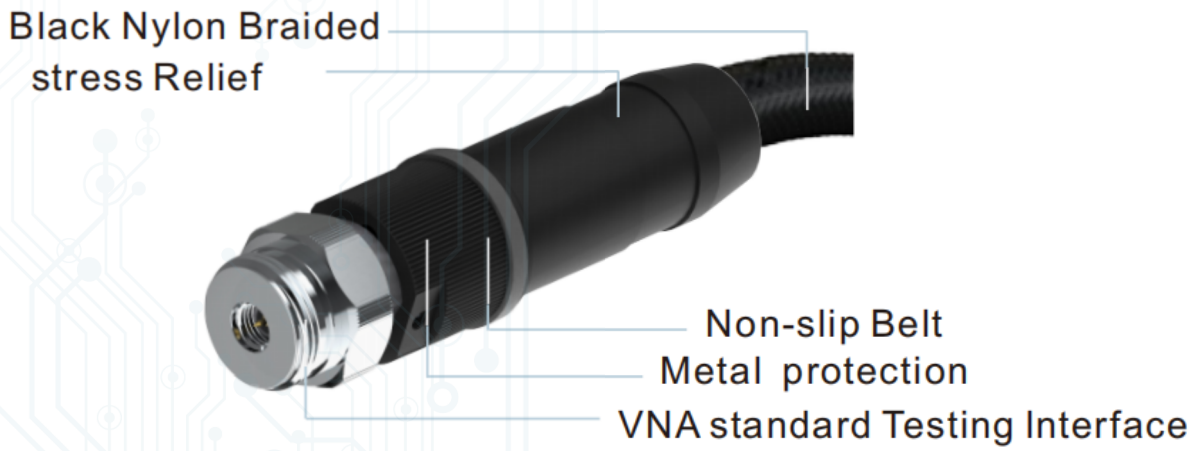






Part Number	connector 1	connector 2	Part Number	connector 1	connector 2	Length
VNA-5153-630			VNA-5152-630			63CM
	NMD35mm Female	APC35mm Female		NMD35mm Female	NMD35mm Male	
VNA-4143-630			VNA-4142-630			63CM
	NMD2.92mm Female	APC2.92mm Female		NMD2.92mm Female	NMD2.92mmMale	
VNA-3133-630			VNA-3132-630			63CM
	NMD2.4mm Female	APC2.4mm Female		NMD2.4mm Female	NMD2.4mm Male	
VNA-1113-630			VNA-1112-630			63CM
	NMD1.85mm Female	APC1.85mm Female		NMD1.85mm Female	NMD1.85mm Male	

Cable Structure



Order Information

VNA Test Series
Default: black

Length

IN	Inch
M	Meter
F	Foot

VNAXX - XX XX - X X

Cable Type

18	DC-18GHz
26	DC-26.5GHz
40	DC-40GHz
50	DC-50GHz
67	DC-67GHz

Connector Type of two terminals

11	1.85mm Female NMD
12	1.85mm Male NMD
13	1.85mm Female APC
21	N Female
22	N Male
31	2.4mm Female NMD
32	2.4mm Male NMD
33	2.4mm Female APC
41	2.92mm Female NMD
42	2.92mm Male NMD
43	2.92mm Female APC
51	3.5mm Female NMD
52	3.5mm Male NMD
53	3.5mm Female APC