



Precision Ruggedized VNA Cables

18GHz, 26.5GHz & 40GHz

2.4mm, 2.92mm, 3.5mm
SMA & Type-N Connectors

Designed for Vector Network Analyzer Testing
Excellent Low Loss & VSWR
Phase Stable when Flexing
Internal Conduit Armor Protection
Anti-Torque Connector Heads
Operates up to 125°C
Supplied with Serialized Test Data



Characteristic	18GHz	26.5GHz	40GHz
VSWR _{max}	1.25:1	1.30:1	1.40:1
IL _{max} 6GHz (3ft)	1.196dB	1.196dB	1.153dB
IL _{max} 12GHz (3ft)	1.818dB	1.818dB	1.684dB
IL _{max} 18GHz (3ft)	2.346dB	2.346dB	2.113dB
IL _{max} 26GHz (3ft)	-	3.416dB	2.606dB
IL _{max} 32GHz (3ft)	-	-	2.939dB
IL _{max} 40GHz (3ft)	-	-	3.350dB
Max Power	88W	65W	42W
Min Bend Radius	4.0"	4.0"	3.0"
Capcitanace	29.4 pf/ft	29.4 pf/ft	26.8 pf/ft
Phase Stability	+/- 2Deg	+/- 3Deg	+/- 5Deg
Crush Resitance	1,050lbs/in.		
Operating Temp	-55°C to +125°C		

ConductRF VNA series provides customers with reliable ruggedized solutions for Lab and Production Vector Network Analyzer testing. With options for 18GHz, 26.5GHz, & 40GHz these cables offer cost leading alternatives to original OEM VNA cable solutions.

VNA Series cables are enhanced with a stainless steel spiral conduit, providing protection from excess bending and crushing forces. An attractive non-conductive PET outer cover completes the product. These cables offer excellent phase stability during dynamic flexing and have an operating life cycle of up to 5,000 matings when interfaces are correctly operated and maintained.

Interface options include male and female 2.4mm, 2.92mm, 3.5mm, SMA and Type-N series. Female NMD interfaces are available for direct attachment to VNA ports for 2.4mm, 2.92mm, and 3.5mm series. These assemblies are fully compatible with OEM VNA equipment and come with serialized test data with factory performance.

Images for illustration only, Data subject to change. Performance at 25C.

VNA40-D1CF-S18

VNAXx-ZZZ-YYY

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18 = 18GHz(3.5mm, SMA and Type-N)
26 = 26.5GHz(2.92mm, & 3.5mm)
40 = 40GHz(2.4mm & 2.92mm)

FYY = Length in Feet(F06 = 6ft)
SYY = Length in Inches(S18 = 18")
YMY = Length in Meters(2M5 = 2.5m)
Max Length 10ft(3M)

ZZ		
Standard mm Options	SMA/N Options	NMD Options (ZZz)
2.4mm Male = C1	SMA Male = S1	2.4mm Female NMD = CNF
2.4mm Female = CF	SMA Female = SF	2.92mm Female NMD = DNF
2.92mm Male = D1	Type-N Male = N1	3.5mm Female NMD = ENF
2.92mm Female = DF	Type-N Female = NF	
3.5mm Male = E1		
3.5mm Female = EF		

Tr1 S11 Refl SWR RefLvl: 1 U Res: 100 mU/Div

