

VNA Calibration Cable DC–50GHz



Product Description

RFLEX18WFWM25IN is a VNA calibration cable with a frequency range of DC to 50GHz.

The maximum insertion loss is 3dB with a VSWR of 1.3:1.

The connectors are NMD2.4mm-Female and NMD2.4mm-Male.

Features

- Up to 50GHz
- Excellent phase and amplitude stability
- Excellent VSWR , low insertion loss
- High performance to cost ratio

Typical Applications

- Used for testing with Vector Network Analyzer
- RF , microwave test systems
- RF , microwave integrating system and sub-assemblies
- Use in test lab environment

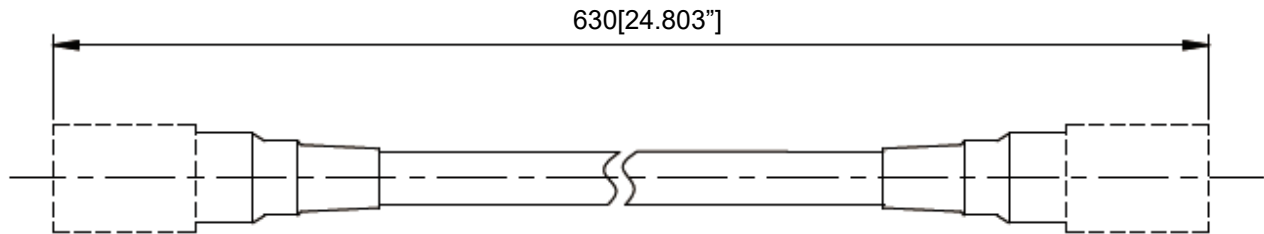
Electrical Specifications ($T_A=+25^{\circ}\text{C}$)

Parameter	Min.	Typ.	Max.	Units
Frequency Range		DC – 50		GHz
Insertion Loss			3	dB
VSWR			1.3	:1
Amplitude Stability			± 0.05	dB
Phase Stability			± 3	°
Shielding Effectiveness	100 (18GHz)			dB
Length		630		mm
Impedance		50		Ω
Connector1		NMD2.4mm-Female		
Connector2		NMD2.4mm-Male		

Mechanical/Environmental Performance

Parameter	Description
Outer Dia.	15.2mm
Minimum Bend Radius	50mm
Mating Cycles	>5000
Operational Temperature	0 to +40°C
Storage Temperature	-40°C to +75°C
Crushing Resistance	>130kgf/cm

Outline Drawing and Cable Structure



Notes:

1. All dimensions are in millimeters [inches].

Connector Material

Name	Material
Outer Conductor	Stainless Steel SUS303 Passivated
Inner Conductor	Beryllium bronze heat treatment,gold plating
Dielectric Brace	PEI

Additional Information

Documentation	Webpage
ESD Policy	https://rflambda.com/pdf/rflambda_esd_control.pdf
Connector Torque Specifications	https://www.rflambda.com/pdf/Torque_Specifications.pdf
Random Vibration Test Standard	https://www.rflambda.com/pdf/rflambda_random_vibration_MIL-STD-202G.pdf

Ordering Information

Part Number	Modification	Description
RFLEX18WFWM25IN	Connector 1: NMD2.4mm-Female Connector 2: NMD2.4mm-Male	DC-50GHz VNA Calibration Cable

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