



High Precision VNA Microwave / RF Cables



Features

- Precision microwave cable assembly capable of frequencies up to 67GHz with excellent VSWR, low insertion loss, phase and amplitude stability.
- These cable assemblies include NMD connectors providing solid light weight construction which can mate directly with VNA ports.
- The cable assemblies deliver reliable and repeatable test results when subject to bending, crushing and other rigorous test conditions.

Electrical Specifications, $T_A=25^\circ\text{C}$

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC		26.5	GHz
Insertion Loss			2.50	dB
VSWR			1.25	:1
Amplitude Stability			± 0.05	dB
Phase Stability			± 2.5	degrees
Maximum Outer Diameter	15.2			mm
Minimum Bend Radius	50			mm
Mating Cycles	>2000			
Recommended Torque	1.35-2/0.9			Nm
Operating Temperature	0 to +40			$^\circ\text{C}$
Weight				ounces
Impedance	50			Ω
Input / Output Connectors	NMD 3.5mm-female/3.5mm-female			
Connector Body	stainless steel, passivated			
Connector Center Conductor	gold-plated beryllium copper			
Outer Jacket	multilayer armour			

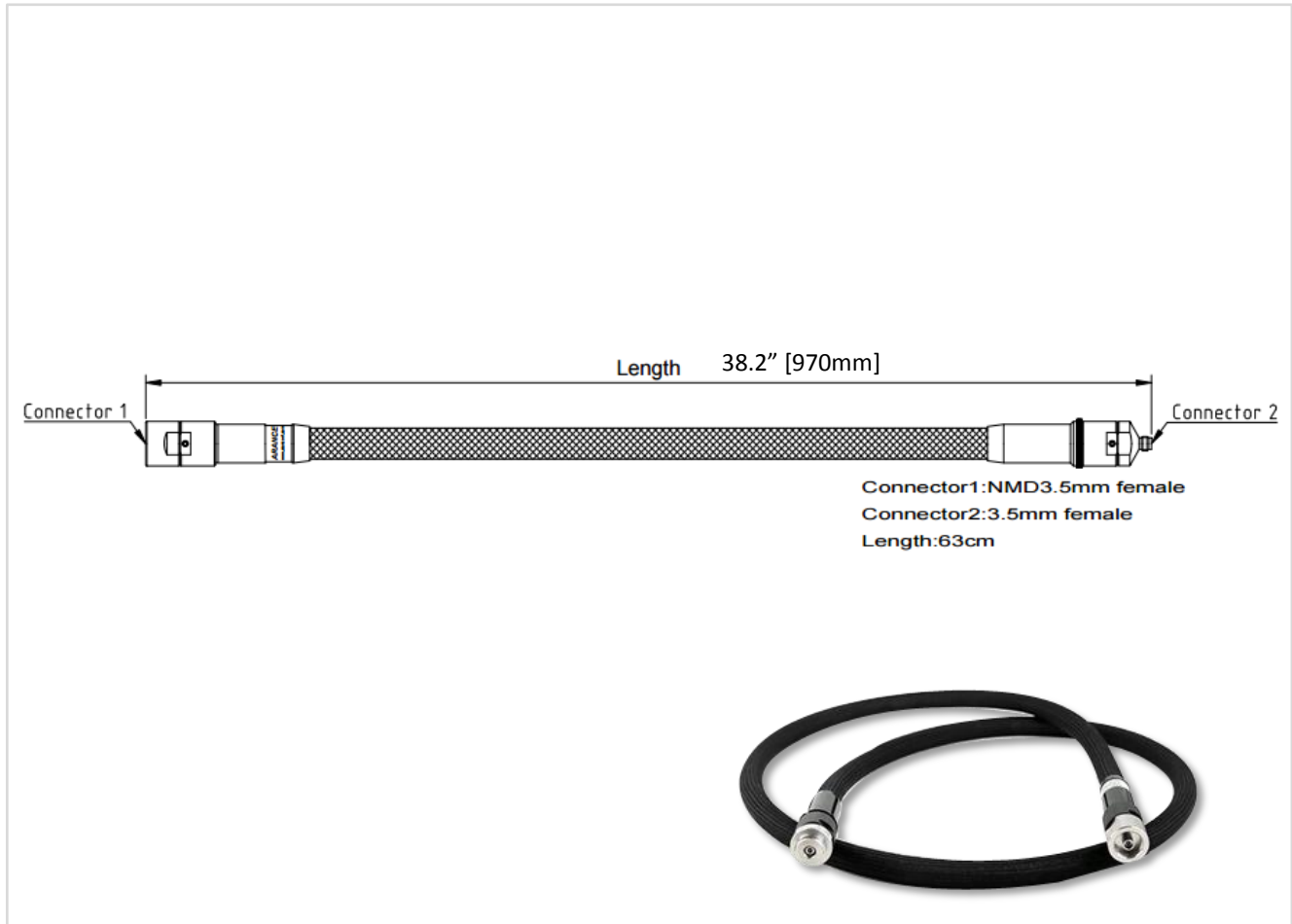
Environmental Specifications

Operational Temperature	0 to +40 $^\circ\text{C}$
Storage Temperature	-40 to +75 $^\circ\text{C}$
Altitude	30,000 ft. (Epoxy Seal Controlled environment)
	60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35 $^\circ\text{C}$, 95%RH at 40 $^\circ\text{C}$
Shock	20G for 11msc half sine wave, 3 axis both directions
Compression Resistance	>920kgf/cm



Outline Drawing:

All Dimensions in inches [mm]



Important Notice

The information contained herein is believed to be reliable. RF-Lambda makes no warranties regarding the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for any of the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders for RF-Lambda products. The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information.

RF-Lambda products are not warranted or authorized for use as critical components in medical, life-saving, or life sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.