


Part No:

# HVNA50



## HVNA50 Cable Series with 2.4mm NMD to 2.4mm VNA Connectors - 50 GHz

### Features

- RoHS Compliant 
- Extra Rugged & Long-Life Performance
- Negligible Changes of Phase & Amplitude Stability after Flexing
- Phase Stable vs. Flexure:  $\pm 3.8^\circ$  @ 50 GHz  
(When wrapped 360° around a 2" diameter mandrel)

The HASCO **HVNA50** is a Lab Grade VNA Test Cable Series that is phase stable vs. flexure. Available with 2.4mm NMD Female to 2.4mm VNA Female, and 2.4mm NMD Female to 2.4mm VNA Male connectors and rated to 50 GHz.

Part Number	Length (inch)	Insertion Loss (dB)
HVNA50-24NMD-24J-24	24"	$\leq 3.1$ dB
HVNA50-24NMD-24J-30	30"	$\leq 3.7$ dB
HVNA50-24NMD-24J-36	36"	$\leq 4.2$ dB
HVNA50-24NMD-24P-24	24"	$\leq 3.1$ dB
HVNA50-24NMD-24P-30	30"	$\leq 3.7$ dB
HVNA50-24NMD-24P-36	36"	$\leq 4.2$ dB

### Electrical

- Impedance 50  $\Omega$
- Frequency Range DC - 50 GHz
- VSWR 1.40:1 Max
- Amplitude Stability  $\leq \pm 0.3$  dB thru 40 GHz
- Velocity of Propagation 82%
- Time Delay 4.04 ns/ft
- Diel. Withstanding Voltage 1000 V Max
- Operating Voltage 1 KV rms Max
- Screening Effectiveness 90 dB Min

### Mechanical

- Min Bend Radius 1.5 inch
- Recommended Bend Radius 2.0 inch

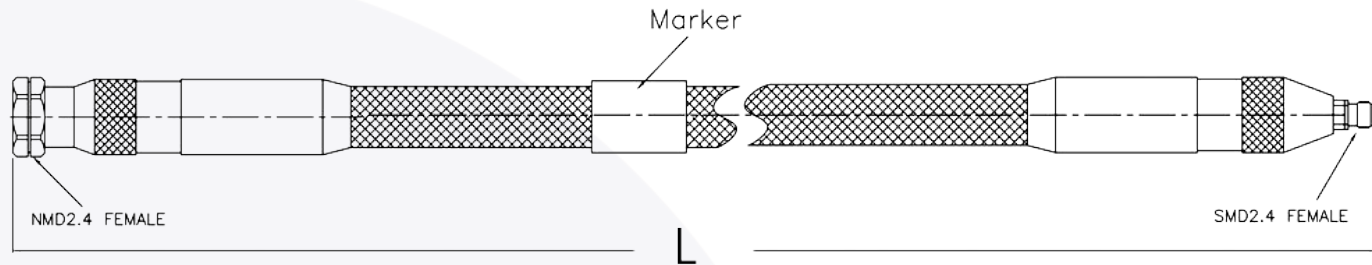
### Environmental

- Temperature Range -40°C to 105°C

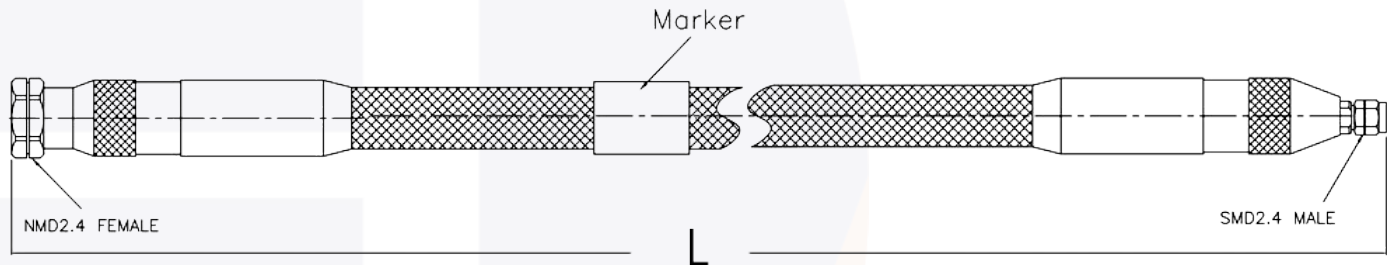
### Material


- Connector Body & Nut Passivated Stainless Steel
- Connector Dielectric PEEK
- Connector Center Contact Gold Plated BeCu
- Cable Dielectric PTFE
- Outer Conductor SPC Strip
- Protective Jacket Stainless Steel Braid
- Outer Braid PET

2.4mm NMD Female to 2.4mm VNA Female



2.4mm NMD Female to 2.4mm VNA Male



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A	FORMAT UPDATE	9/23	TC	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HASCO COMPONENTS AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS THE BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS, WRITTEN PERMISSION OF HASCO COMPONENTS.		MATERIALS:	CAGE CODE:	SCALE:	SIZE:
B	DATASHEET UPDATE	6/26	TC			SEE DATA SHEET	0T8L4	N/A	A
						FINISHES:	PART NO./DRAWING NO.	REV:	
						SEE DATA SHEET	<b>HVNA50</b>	B	
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