



Features

- RoHs Compliant 
- Phase Stable vs. Flexure

The HASCO **HVNA67-185NMD-185J-L** is a flexible, phase stable test cable that operates from DC to 67 GHz. This cable series is constructed with 1.85mm Female NMD to 1.85mm Female connectors. They offer excellent phase stability vs. flexure.

VSWR		
Frequency (GHz)	Typical	Maximum
DC - 18	1.15	1.25
18 - 40	1.22	1.30
40 - 50	1.26	1.35
50 - 67	1.31	1.35

Insertion Loss	
Length (inch)	IL (dB)
24	4.58
30	5.52
36	6.47
48	8.36

HVNA67 Flexible Phase Stable Test Cable with 1.85mm Female NMD to 1.85mm Female Connectors - 67 GHz

Electrical

- Impedance 50 Ω
- Frequency Range DC - 67 GHz
- VSWR See Table
- Insertion Loss $IL \leq 6.2*L (M) + 0.8 \text{ dB} @ 67 \text{ GHz}$
- Velocity of Propagation 80%
- Shielding Effectiveness > 90 dB
- Power Handling @ 40°C 115 W @ 1 GHz 59 W @ 6 GHz 34 W @ 18 GHz
27 W @ 26.5 GHz 22 W @ 40 GHz 20 W @ 50 GHz
17 W @ 67 GHz

Mechanical

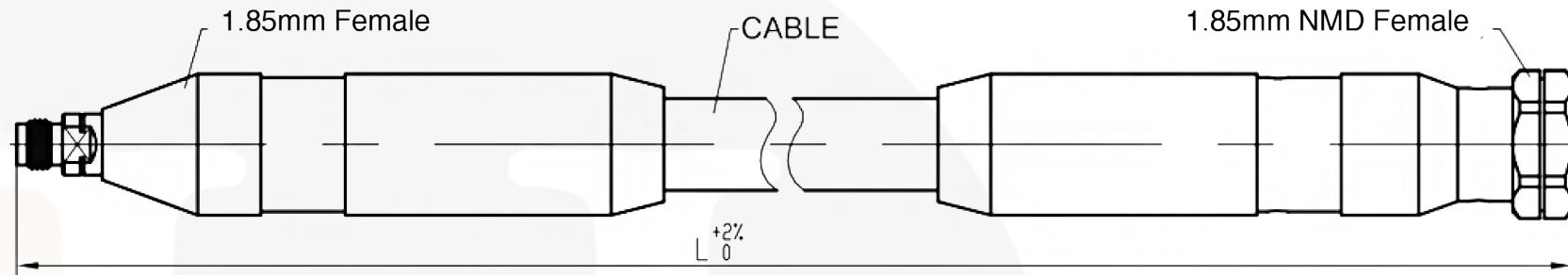
- Min Bend Radius 1.97 inch (50mm)

Environmental

- Temperature Range $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ (Operating)
- Temperature Range -45°C to 85°C (Storage)

Material

- Connector Body & Nut Passivated Stainless Steel
- Dielectric PEI
- Center Contact Gold Plated BeCu



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS
-	RELEASE	1/26	TC		APPROVED BY: TC
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MATERIALS: SEE DATA SHEET	CAGE CODE: 0T8L4	SCALE: N/A	SIZE: A
FINISHES: SEE DATA SHEET	HVNA67-185NMD-185J-L		REV: -