

# LT-PS-2.4MF-50G-L

## High Performance Phase Stable Test Cable 2.4

mm Male / 2.4 mm Female / DC-50 GHz

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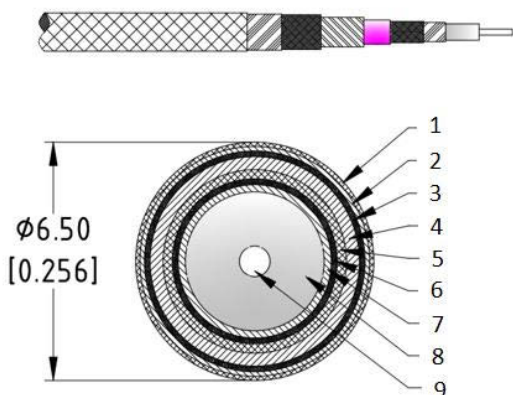
### Features:

- Max Frequency 50 GHz
- VSWR max of 1.30
- Velocity of Propagation of 76%

### Applications:

- Test & Measurement equipment
- Manufacturing lab
- WAN system equipment

### Cable Cross Section:



1. PTFE Braiding Jacket
2. Outer tie
3. Torsion-resistant braid
4. Compression protective layer
5. Cable Jacket
6. Outer Shield
7. Inner Shield
8. Insulaor PTFE
9. Inner Conductor

### Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	DC		50	GHz
VSWR		1.20	1.25	:1
Velocity of propagation		76%		
Shielding Effectiveness	90			dB
Capacitance			87	pF/m
Phase Stability Vs. Flexure@50GHz		±4		°
Amplitude Stability Vs. Flexure@50GHz		±0.03		dB

### Environmental And Physical Characteristics:

Description	Parameter	Units
Cable Diameter	6.5	mm
Cable Jacket	PTFE	
Min. Bending Radius	51	mm
Typical Flex life	50000	
Operating Temperature	-55 to +150	°C
Storage Temperature	-55 to +165	°C

### Cable Performance By Frequency

Frequency	2 GHz	4 GHz	6 GHz	8 GHz	12 GHz	16 GHz	18 GHz	26.5 GHz	40GHz	50GHz
Insertion Loss (dB/m Max )	0.62	0.88	1.09	1.26	1.55	1.80	1.92	2.35	2.92	3.29
RF Power CW (W Max.)	230	162	132	114	92	79	75	61	49	44

