

# T26 Series (3.5 Male-ST to 3.5 Male-ST)

High Reliable & Durable Precision Test Cable Assembly, 50ohms, DC-26.5GHz



## T26-47-47-"L" (L: Length)

### Maximum Ratings

Operating Temperature	23°C± 5°C
Storage Temperature	-55°C to +85°C
<i>Permanent damage may occur if any of these limits are exceeded</i>	

Cable Diameter	5.20mm	
Velocity of Propagation	76%	
Shielding Effectiveness	>90dB	
Power Handling at 40°C	1 GHz	149W
	2 GHz	102W
	6GHz	56W
	12 GHz	38W
	18 GHz	30W
26.5 GHz	24W	
Min. Bending Radius	25mm	

### Features

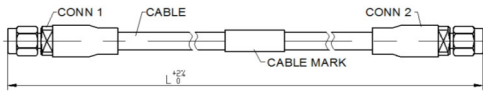
- Super flexible & durable
- Qualified for over 150K flex cycles
- Outstanding VSWR performance, 1.20@26.5GHz typ.
- Negligible change of phase & amplitude over flexure, shaking & torsion

### Applications

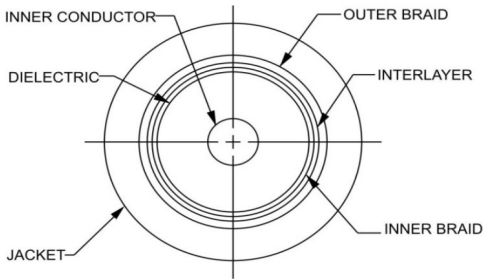
- Lab and production line test
- 5G Massive MIMO and antenna OTA test
- 5G switch and attenuator matrices systems
- Phase array test systems
- RF/Microwave test systems

### Outline Drawing

Unit [mm]



### Cable Cross Section



Cable Construction	
Inner Conductor	-
Dielectric	-
Inner Braid	-
Interlayer	-
Outer Braid	-
Jacket	PUR

### Connectors

- Nut, Stainless steel, Passivated
- Body, Stainless steel, Passivated
- Center contacts, Berillium Copper, Gold plated
- Dielectric, PEI, Natural

### Product Guarantee\*

Micable will repair or replace your cable assembly if it fails within six months after shipment. This guarantee excludes product damage from misuse or abuse

### Electrical Specifications at 25°C

Freq. (GHz)	Length	Insertion Loss (dB@GHz)								VSWR (@GHz)							
		DC - 2.5		2.5-6		6-18		18-26.5		DC - 2.5		2.5-6		6-18		18-26.5	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC-26.5	2FT	0.6	0.7	0.7	0.9	1.6	1.8	2.0	2.2	1.06	1.12	1.08	1.15	1.20	1.25	1.26	1.30
	3FT	0.8	0.9	1.1	1.3	2.2	2.4	2.8	3.0								
	1M	1.0	1.1	1.2	1.4	2.3	2.5	2.9	3.1								

### Typical Performance Data (T26-47-47-1M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.10
1000	1.04	0.46
2000	1.05	0.67
4000	1.06	0.98
5000	1.07	1.11
6000	1.08	1.23
7000	1.09	1.34
8000	1.10	1.45
9000	1.11	1.55
10000	1.12	1.64
12000	1.14	1.83
13000	1.15	1.91
15000	1.17	2.08
18000	1.20	2.32
26500	1.26	2.93

