

## T26E Series (3.5mm Male-ST to 3.5mm Male-ST)

Temperature Stable Test Cable, 50ohms, DC-26.5GHz



### T26E-47-47-"L" (L: Length)

#### Maximum Ratings

Operating Temperature -65°C to +165°C

Storage Temperature -65°C to +165°C

Permanent damage may occur if any of these limits are exceeded

Cable Diameter	4.8mm	
Velocity of Propagation	85%	
Shielding Effectiveness	>90dB	
Power Handling at 20°C	1 GHz	261W
	3 GHz	153W
	6 GHz	107W
	12GHz	75W
	18 GHz	62W
	26.5 GHz	48W
Min. Bending Radius	25.4mm	

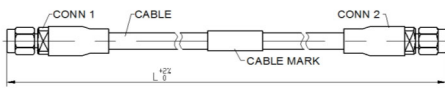
#### Features

- Stainless steel connectors for long mating-cycle life
- High shielding effectiveness, >90dB
- Excellent phase stability over temperature, 500ppm@-55°C~+85°C
- Extremely low loss, low VSWR
- Wide range of operation temperature at -65°C to +165°C

#### Applications

- Thermal cycling and thermal shock test
- RF/Microwave test systems
- Rack to rack connection
- Airborne, shipborne and ground systems

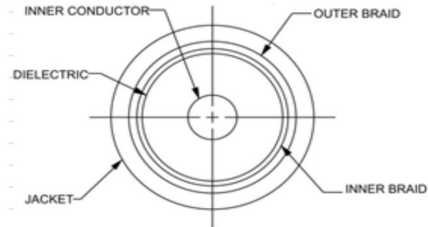
Outline Drawing Unit [mm]



Electrical Specifications at 25°C

Freq. (GHz)	Length (m)	Insertion Loss (dB@GHz)								VSWR (@GHz)							
		DC - 6		6-12		12-18		18-26.5		DC - 6		6-12		12-18		18-26.5	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC-26.5	0.5	0.5	0.6	0.6	0.8	0.7	0.9	0.9	1.2	1.12	1.20	1.18	1.25	1.24	1.30	1.30	1.35
	1	0.7	0.9	1.0	1.2	1.2	1.5	1.5	1.8								
	1.5	0.9	1.1	1.5	1.7	1.8	2.1	2.2	2.5								

Cable Cross Section



Typical Performance Data ( T26E-47-47-1M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.03
1000	1.05	0.25
2000	1.07	0.35
3000	1.09	0.43
4000	1.10	0.50
5000	1.11	0.57
6000	1.12	0.64
7000	1.13	0.72
8000	1.14	0.79
9000	1.15	0.85
10000	1.16	0.90
12000	1.18	0.99
15000	1.21	1.15
18000	1.24	1.24
26500	1.30	1.46

#### Cable Construction

Inner Conductor	Solid Silver Plated Copper
Dielectric	LD-PTFE
Inner Braid	Silver-Plated Copper Strip
Outer Braid	Silver-Plated Copper Braid
Jacket	PFA

#### 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

