

T18 Series (SMA Male-ST to N Male-ST)

High Reliable & Durable Precision Test Cable Assembly, 50ohms, DC-18GHz



T18-01-07-"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	4.60mm	
Velocity of Propagation	76%	
Shielding Effectiveness	>90dB	
Power Handling at 40°C	1 GHz	590W
	2 GHz	414W
	6 GHz	221W
	12GHz	172W
	18 GHz	153W
Min. Bending Radius	20mm	

Features

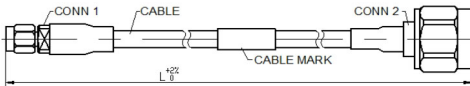
- Phase and amplitude stable
- Low loss and super flexible
- Stainless steel connector for long mating-cycles life
- High reliability approved by 20,000 strict bending cycles
- Excellent shielding effectiveness > 95 dB

Applications

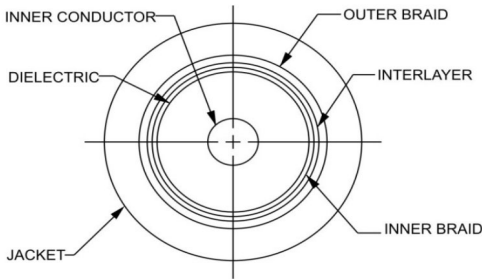
- Lab and production line test
- Connection between racks/equipments
- Military and commercial RF/microwave systems

Outline Drawing

Unit [mm]



Cable Cross Section



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

Connectors

- Nut, Stainless steel, Passivated
- Body, Stainless steel, Passivated
- Center contacts, Brass 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 - 3		3-6		6-12		12-18		DC - 3		3-6		6-12		12-18	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC-26.5	0.5	0.4	0.5	0.6	0.7	0.6	0.8	0.7	1.0	1.09	1.15	1.12	1.20	1.18	1.25	1.25	1.30
	1	0.5	0.7	0.8	1.0	1.2	1.4	1.3	1.6								
	1.5	0.8	1.0	1.2	1.4	1.7	1.9	2.0	2.3								

Typical Performance Data (T18-01-07-1M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.03
1000	1.05	0.28
2000	1.07	0.39
3000	1.09	0.47
4000	1.10	0.56
5000	1.11	0.65
6000	1.12	0.76
7000	1.13	0.81
8000	1.14	0.87
9000	1.15	0.95
10000	1.16	1.02
12000	1.19	1.16
13000	1.20	1.21
15000	1.23	1.27
18000	1.25	1.33

