

## T26 Series (SMA Male-RA to SMA Male-RA)

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



T26-05-05-"L" (L: Length)

### Maximum Ratings

Operating Temperature 23°C± 5°C

Storage Temperature -55°C to +85°C

Permanent damage may occur if any of these limits are exceeded

|                         |        |
|-------------------------|--------|
| Cable Diameter          | 5.20mm |
| Velocity of Propagation | 76%    |
| Shielding Effectiveness | >90dB  |

|                           |          |      |
|---------------------------|----------|------|
| Power Handling at<br>40°C | 1 GHz    | 149W |
|                           | 2 GHz    | 102W |
|                           | 6GHz     | 56W  |
|                           | 12 GHz   | 38W  |
|                           | 18 GHz   | 30W  |
|                           | 26.5 GHz | 24W  |

Min. Bending Radius 25mm

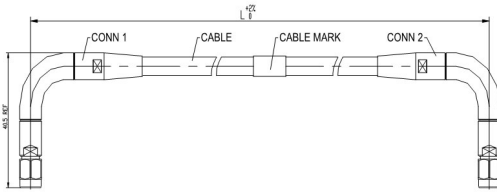
### Features

- Super flexible & durable
- Qualified for over 150K flex cycles
- Outstanding VSWR performance, 1.25@26.5GHz typ.
- Negligible change of phase & amplitude over flexure, shaking & torsion

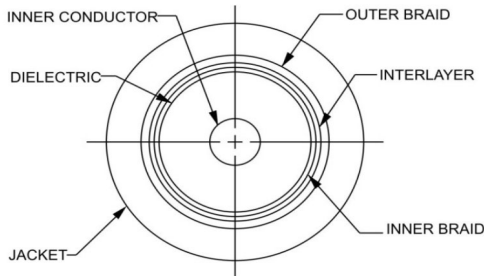
### Applications

- 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.<br>(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   | 1.0  | 1.6  | 1.9  | 2.0     | 2.4  | 1.06        | 1.12 | 1.08  | 1.15 | 1.20 | 1.25 | 1.26    | 1.30 |
|                | 1M     | 1.0                     | 1.1  | 1.2   | 1.5  | 2.3  | 2.6  | 2.9     | 3.3  |             |      |       |      |      |      |         |      |

### Typical Performance Data (T26-05-05-1M)

| 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                |

