

# TA480W

## Multi-layer Low Loss Phase Stable Flexible Cable Assembly DC~26.5GHz

**TITAN MICROWAVE INC.**



### Features

- Low Loss
- High Phase Stability
- Excellent Performance
- Well Durability
- Suitable for All Kinds of Harsh Environment

### Applications

- Laboratory
- Wireless Communications
- Phased Array Radar
- Avionics

## Specifications

### Electrical

- Operating Frequency DC~26.5GHz
- Cutoff Frequency 31GHz
- Impedance 50Ω
- Velocity of Propagation 83%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 1500V, DC
- Phase Stability <750ppm@-55°C~+85°C

### Environmental & Mechanical

- Operating Temperature -55°C~+165°C
- Min Bending Radius/Single 26.00 mm
- Min Bending Radius/Repeated 51.00 mm
- Weight 58g/m

### Attenuation@25°C & Power@40°C (sea level)

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5
Attenuation(dB/100m)	24.1	34.2	42.1	60.1	69.7	78.3	87.6	106.6	130.8
Power Handling(W)	919	646	525	368	317	282	252	207	169

### Construction

Inner Conductor	Solid Silver-plated Copper	1.40 mm
Dielectric	Low Density PTFE	3.80 mm
Inner Shield	Silver-plated Copper Tape	3.95 mm
Interlayer Shield	Low Density PTFE	4.20 mm
Outer Shield	Silver-plated Copper Braid	4.65 mm
Jacket	Gray PFA	5.10 mm

### Outline



## Ordering Information

**TA480W - 26.5 - SF SF - 1**

Cable Code

Operating Frequency(GHz)

RF Connectors(S:SMA)

SS: SMA male to SMA male

SSF: SMA male to SMA female

SFSF: SMA female to SMA female

Overall Length(meter(s))

*For other connector options, contact factory.*