

# TA400W

## Multi-layer Low Loss Phase Stable Flexible Cable Assembly DC~40GHz



### 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~40GHz
Cutoff Frequency	41GHz
Impedance	50Ω
Velocity of Propagation	82%
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	21.00 mm
Min Bending Radius/Repeated	42.00 mm
Weight	37g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5	40
Attenuation(dB/100m)	33.5	47.5	58.3	82.8	95.8	107.2	119.7	144.7	176.4	218.1
Power Handling(W)	634	447	365	257	222	198	178	147	120	97

### Construction

Inner Conductor	Solid Silver-plated Copper	1.05mm
Dielectric	Low Density PTFE	2.85mm
Inner Shield	Silver-plated Copper Tape	3.05mm
Interlayer Shield	Low Density PTFE	3.30mm
Outer Shield	Silver-plated Copper Braid	3.65mm
Jacket	Blue PFA	4.20mm

### Outline



### Ordering Information

TA400W - 40 - KFKF - 1

Cable Code

Operating Frequency(GHz)

RF Connectors(K:2.92mm)  
 KK: 2.92mm male to 2.92mm male  
 KKF: 2.92mm male to 2.92mm female  
 KFKF: 2.92mm female to 2.92mm female

Overall Length(meter(s))

For other connector options, contact factory.