

# TA360

## Low Loss Phase Stable 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	46GHz
Impedance	50Ω
Velocity of Propagation	82%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	500V, DC
Phase Stability	<750ppm@-55°C~+85°C

#### Environmental & Mechanical

Operating Temperature	-55°C~+165°C
Min Bending Radius/Single	18.00 mm
Min Bending Radius/Repeated	36.00 mm
Weight	33g/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)	37.5	53.4	65.6	93.8	108.9	122.3	136.9	166.7	204.8	255.7
Power Handling(W)	509	358	291	203	175	156	139	115	93	75

### Construction

Inner Conductor	Solid Silver-plated Copper	0.91 mm
Dielectric	Low Density PTFE	2.50 mm
Inner Shield	Silver-plated Copper Tape	2.66 mm
Outer Shield	Silver-plated Copper Braid	3.11 mm
Jacket	PFA/FEP	3.60 mm

### Outline



### Ordering Information

TA360	-	40	-	KKF	-	1
Cable						
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))						