

TA360W

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	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	19.50 mm
Min Bending Radius/Repeated	39.00 mm
Weight	35g/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	0.91mm
Dielectric	Low Density PTFE	2.50mm
Inner Shield	Silver-plated Copper Tape	2.66mm
Interlayer Shield	Low Density PTFE	2.95mm
Outer Shield	Silver-plated Copper Braid	3.35mm
Jacket	Gray PFA	3.90mm

Outline



Ordering Information

TA360W - 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