

# TA220

Low Loss Phase Stable Cable Assembly  
DC~40GHz

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~40GHz
- Cutoff Frequency 83GHz
- Impedance 50Ω
- Velocity of Propagation 81%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 400V, DC
- Phase Stability <750ppm@-55°C~+85°C

### Environmental & Mechanical

- Operating Temperature -55°C~+125°C
- Min Bending Radius/Single 11.00 mm
- Min Bending Radius/Repeated 22.00 mm
- Weight 16g/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)	63.7	90.8	111.9	160.4	186.5	209.8	235.2	287.1	354	444
Power Handling(W)	97	68	55	39	33	29	26	22	17	14

### Construction

Inner Conductor	Solid Silver-plated Copper	0.50 mm
Dielectric	Low Density PTFE	1.38 mm
Inner Shield	Silver-plated Copper Tape	1.54 mm
Outer Shield	Silver-plated Copper Braid	1.95 mm
Jacket	PFA	2.20 mm

### Outline



## Ordering Information

TA220	-	40	-	KKF	-	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))						