

TA550

Low Loss Phase Stable Cable Assembly DC~18GHz



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~18GHz
Cutoff Frequency	26.5GHz
Impedance	50Ω
Velocity of Propagation	83%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	2000V, DC
Phase Stability	<750ppm@-55°C~+85°C

Environmental & Mechanical

Operating Temperature	-55°C~+165°C
Min Bending Radius/Single	28.00 mm
Min Bending Radius/Repeated	56.00 mm
Weight	75g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	22.3	31.6	38.8	55	63.6	71.2	79.5	90.5	96.1
Power Handling(W)	1233	870	709	500	432	386	346	304	286

Construction

Inner Conductor	Solid Silver-plated Copper	1.6mm
Dielectric	Low Density PTFE	4.3mm
Inner Shield	Silver-plated Copper Tape	4.5mm
Outer Shield	Silver-plated Copper Braid	5.1mm
Jacket	FEP	5.6mm

Ordering Information

TA550 - 18 - SFSF - 1

Cable

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))

Outline

