

TA600

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	25GHz
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	30.00 mm
Min Bending Radius/Repeated	60.00 mm
Weight	79g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	20	28.5	35.2	50.6	58.9	66.4	74.5	85.5	91.2
Power Handling(W)	1452	1017	824	573	492	437	389	339	318

Construction

Inner Conductor	Solid Silver-plated Copper	1.7mm
Dielectric	Low Density PTFE	4.6mm
Inner Shield	Silver-plated Copper Tape	4.8mm
Outer Shield	Silver-plated Copper Braid	5.3mm
Jacket	FEP	6.0mm

Outline



Ordering Information

TA 600 - 18 - S F S F - 1

Cable Coc

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))