

TA750

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	20GHz
Impedance	50Ω
Velocity of Propagation	83%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	2500V, DC
Phase Stability	<750ppm@-55°C~+85°C

Environmental & Mechanical

Operating Temperature	-55°C~+165°C
Min Bending Radius/Single	37.00 mm
Min Bending Radius/Repeated	74.00 mm
Weight	116g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	16.7	23.7	29.1	41.4	47.9	53.7	59.9	68.2	72.5
Power Handling(W)	1979	1396	1137	801	692	618	553	486	457

Construction

Inner Conductor	Solid Silver-plated Copper	2.10 mm
Dielectric	Low Density PTFE	5.70 mm
Inner Shield	Silver-plated Copper Tape	5.95 mm
Outer Shield	Silver-plated Copper Braid	6.60 mm
Jacket	Gray PFA	7.40 mm

Outline



Ordering Information

TA750 - 18 - SFSF - 1

Cable Code

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))

For other connector options, contact factory.