TA750W

Multi-layer Low Loss Phase Stable Flexible Cable Assembly DC~18GHz

Features

- Low Loss
- High Phase Stability
- Excellent Performance
- Well Durability
- Suitable for All Kinds of Harsh Enviroment

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℃~+85℃

Environmental & Mechanical

Operating Temperature	-55℃~+165℃
Min Bending Radius/Single	38.00 mm
Min Bending Radius/Repeated	76.00 mm
Weight	118g/m

Attenuation@25℃ & Power@40℃(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)	1740	1227	1000	704	608	543	487	427	402

Construction

Inner Conductor	Solid Silver-plated Copper	2.10mm
Dielectric	Low Density PTFE	5.70mm
Inner Shield	Silver-plated Copper Tape	5.95mm
Interlayer Shield	Low Density PTFE	6.20mm
Outer Shield	Silver-plated Copper Braid	6.80mm
Jacket	Gray PFA	7.60mm

Outline

Ordering Information

TA750W	-	1 8	-	NFNF	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(N:type-N) NN: N male to N male NNF: N male to N female NFNF: N female to N female						
Overall Length(meter(s))						

For other connector options, contact factory.