TA500W

Multi-layer Low Loss Phase Stable Flexible Cable Assembly DC~26.5GHz

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~26.5GHz
Cutoff Frequency	29GHz
Impedance	50Ω
Velocity of Propagation	83%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	1500V, DC
Phase Stability	<750ppm@-55℃~+85℃

Environmental & Mechanical

Operating Temperature	-55℃~+165℃
Min Bending Radius/Single	27.00 mm
Min Bending Radius/Repeated	54.00 mm
Weight	63g/m

Attenuation@25℃ & Power@40℃(sea level)

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5
Attenuation(dB/100m)	23.4	33.3	41	58.5	67.9	76.3	85.4	103.8	127.5
Power Handling(W)	1128	793	645	451	389	346	309	254	207

Construction

Inner Conductor	Solid Silver-plated Copper	1.45mm
Dielectric	Low Density PTFE	3.99mm
Inner Shield	Silver-plated Copper Tape	4.19mm
Interlayer Shield	Low Density PTFE	4.45mm
Outer Shield	Silver-plated Copper Braid	4.85mm
Jacket	Gray FEP	5.40mm

Outline

Ordering Information

TA500W	-	26.5	-	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.