TA480W

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	31GHz
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	26.00 mm
Min Bending Radius/Repeated	51.00 mm
Weight	58g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5
Attenuation(dB/100m)	24.1	34.2	42.1	60.1	69.7	78.3	87.6	106.6	130.8
Power Handling(W)	1050	738	600	420	362	323	288	237	193

Construction

Inner Conductor	Solid Silver-plated Copper	1.40mm
Dielectric	Low Density PTFE	3.80mm
Inner Shield	Silver-plated Copper Tape	3.95mm
Interlayer Shield	Low Density PTFE	4.20mm
Outer Shield	Silver-plated Copper Braid	4.65mm
Jacket	Gray PFA	5.10mm

Outline

Ordering Information

TA480W	-	26.5	-	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))

For other connector options, contact factory.