



### Features

- Low Loss
- Low VSWR
- Operating Frequency Range DC~26.5GHz

### Applications

- Research & Development Labs
- Bench VNA's and Analyzers
- RF Module Testing

## Specifications

### Electrical

Operating Frequency	DC~26.5GHz
Cutoff Frequency	43GHz
Impedance	50Ω
Velocity of Propagation	76%
Screening Effectiveness	90dB min
Voltage Rating	100V, DC
Phase Stability	±0.3°/GHz

### Environmental & Mechanical

Operating Temperature	-55°C ~ +125°C
Min Bending Radius/Single	25mm
Min Bending Radius/Repeated	50mm
Weight	52g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5
Attenuation(dB/100m)	39.4	56	68.9	98.2	113.9	127.9	143	173.7	212.9
Power Handling(W)	505	355	289	203	175	156	139	115	94

### Construction

 Inner Conductor	Solid Silver-plated Copper	0.91 mm
 Dielectric	Low Density PTFE	2.70 mm
 Inner Shield	Silver-plated Copper Tape	2.85 mm
 Interlayer Shield	PTFE	3.15 mm
 Outer Shield	Silver-plated Copper Braid	3.60 mm
 Jacket	Transparent FEP	4.95 mm

### Outline



## Ordering Information

**TX500 - 18 - SSF - 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.