

# TB635

## High Power Low Loss Cable Assembly DC~18GHz

(Equivalent to SFT304 of Times Microwave Systems)



### Features

- Frequency Range DC~18GHz
- Low PIM
- Low Loss
- High Power

### Applications

- Radar
- Wireless Communications
- Interconnection
- Avionics

### Specifications

#### Electrical

Operating Frequency	DC~18GHz
Cutoff Frequency	27GHz
Impedance	50Ω
Velocity of Propagation	76%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	2000V, DC

#### Environmental & Mechanical

Operating Temperature	-55°C~+200°C
Min Bending Radius/Single	32.00 mm
Min Bending Radius/Repeated	64.00 mm
Weight	93g/m

#### Attenuation & Power

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	22.2	31.7	39.2	56.4	65.8	74.2	83.4	95.8	102.2
Power Handling(W)	1020	713	557	401	344	305	271	236	221

#### Construction

Inner Conductor	Solid Silver-plated Copper	1.57mm
Dielectric	Low Density PTFE	4.72mm
Inner Shield	Silver-plated Copper Tape	4.96mm
Interlayer Shield	Aluminum Foil	5.10mm
Outer Shield	Silver-plated Copper Braid	5.66mm
Jacket	FEP	6.35mm

#### Outline



#### Ordering Information

<b>TB635 - 18 - SSF - 1</b>	
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))	