

TB635

High Power Low Loss Cable Assembly DC~18GHz

TITAN MICROWAVE INC.



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

T B 6 3 5 - 1 8 - S S F - 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))