

# TB1500

## High Power Low Loss Cable Assembly DC~6GHz

TITAN MICROWAVE INC.



### Features

- Frequency Range DC~6GHz
- Low PIM
- Low Loss
- High Power

### Applications

- Radar
- Wireless Communications
- Interconnection
- Avionics

## Specifications

### Electrical

- Operating Frequency DC~6GHz
- Cutoff Frequency 8GHz
- Impedance 50Ω
- Velocity of Propagation 76%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 4000V, DC

### Environmental & Mechanical

- Operating Temperature -55°C~+200°C
- Min Bending Radius/Single 74.00 mm
- Min Bending Radius/Repeated 147.00 mm
- Weight 432g/m

### Attenuation & Power

Frequency(GHz)	0.1	0.3	0.5	0.8	1	2	3	5	6
Attenuation(dB/100m)	3.1	5.4	7.1	9.1	10.2	14.8	18.4	24.5	27.1
Power Handling(W)	13440	7650	5870	4590	4080	2818	2260	1703	1537

### Construction

Inner Conductor	Solid Silver-plated Copper	4.40mm
Dielectric	Low Density PTFE	12.50mm
Inner Shield	Silver-plated Copper Tape	12.74mm
Interlayer Shield	Aluminum Foil	12.85mm
Outer Shield	Silver-plated Copper Braid	13.60mm
Jacket	Blue FEP	14.70mm

### Outline



## Ordering Information

T B 1 5 0 0	-	6	-	N N F	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(N:N-Type)						
NN: N male to N male						
NNF: N male to N female						
NFNF: N female to N female						
Overall Length(meter(s))						