

TE250

Economical Simi-Rigid Cable Assembly DC~18GHz

TITAN MICROWAVE INC.



Features

- Low VSWR
- Frequency ranges from DC to 18GHz
- Easy Installation (hand formable)
- Fits into the small systems

Applications

- Test & measurement instrumentation
- Medical Electronics
- Telecommunications
- Oscillators
- Amplifiers

Specifications

Electrical

- **Operating Frequency** DC~18GHz
- **Cutoff Frequency** 24GHz
- **Impedance** 50Ω
- **Velocity of Propagation** 70%
- **Screening Effectiveness** 165dB min
- **Voltage Rating** 500V, DC
- **Capacitance** 100pF/m
- **Time Delay** 4.7ns/m

Environmental & Mechanical

- **Operating Temperature** -55°C ~ +125°C
- **Min Bending Radius/Single** 32mm
- **Weight** 146g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	18
Attenuation(dB/100m)	22.5	34.1	44	69.1	84	98.1	114.2	149.7
Power Handling(W)	542	357	277	177	145	124	107	82

Construction

 Inner Conductor Solid Silver-plated Copper	1.63mm
 Dielectric Low Density PTFE	5.28mm
 Outer Conductor Ternary Alloy Plated Seamless Copper Tube	6.35mm

Outline



Ordering Information

T E 2 5 0	-	1 8	-	N N F	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(N:type-N)						
NN: N male to N male						
NNF: N male to N female						
NFNF: N female to N female						
Overall Length(meter(s))						

For other connector options, contact factory.