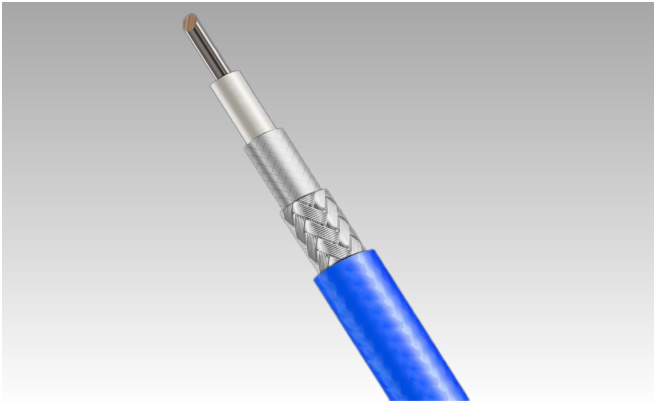


TG500

Economical Low Loss Cable Assembly
DC~18GHz
TITAN MICROWAVE INC.



Features

- Low VSWR
- Low Loss
- Easy Installation
- Fits into the small systems

Applications

- Telecommunications
- Interconnection between equipments

Specifications

Electrical

- Operating Frequency DC~18GHz
- Cutoff Frequency 28GHz
- Impedance 50Ω
- Velocity of Propagation 76%
- Screening Effectiveness 70dB min
- Voltage Rating 2000V, DC

Environmental & Mechanical

- Operating Temperature -55°C~+125°C
- Min Bending Radius/Single 26mm
- Min Bending Radius/Repeated 52mm
- Weight 54g/m

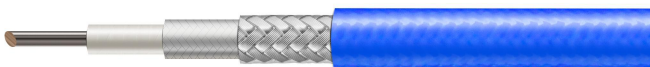
Attenuation@25°C & Power@40°C(sea level)

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	23.8	34.3	42.6	62.1	72.9	82.7	93.4	108.2	115.9
Power Handling(W)	1038	720	580	397	339	299	264	228	213

Construction

Inner Conductor	Silver Plated Copper	1.45mm
Dielectric	Low density PTFE	4.20mm
Inner Shield	Self-adhesive Aluminum Foil	4.32mm
Outer Shield	Silver-plated Copper Braid	4.65mm
Jacket	FEP	5.20mm

Outline



Ordering Information

TG500 - 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.