成都巨人微波
TITAN MICROWAVE INC.
- A Professional RF & Microwave Components Supplier -

3/8"-TFSF
RF Feeder Cable 3/8" Super Flex, DC～5GHz

Features
- Low VSWR
- Low Loss
- Perfect Shielding Effectiveness

Applications
- Wireless Mobile Communication
- Base Stations
- Cellular
- Microwave and Broadcast Applications

Specifications

Electrical

Impedance	50±1Ω
Velocity of Propagation	83%
Capacitance	80 pF/m
Cut-off Frequency	13.4 GHz
RF Peak Voltage	1.04 KV
Peak Power	12 kW
Shielding Effectiveness	>120dB
Insulation Resistance	5000 MΩ·Km
VSWR	
800～1000MHz	≦1.13
1700～2200MHz	≦1.13
2200～2700MHz	≦1.15
3300～3600MHz	≦1.20
4400～5000MHz	≦1.20

Environmental & Mechanical

Min. Bending Radius Single	12.5 mm
Min. Bending Radius Repeated	25.0 mm
No. of Bends, Minimum	15
Tensile Strength	600 N
Installation Temperature	-40℃～+60℃
Operating Temperature	-55℃～+85℃
Storage Temperature	-70℃～+85℃

Attenuation & Average Power @20℃(sea level)

Frequency(MHz)	450	800	1000	2000	2200	2500	3000	3300	3500	4000	4500	4800	5000
Attenuation(dB/100m)	9.14	12.32	13.85	20.3	21.4	23	25.2	26.88	27.79	29.97	32.06	33.27	34.06
Power Handling(kW)	0.87	0.64	0.57	0.39	0.37	0.35	0.31	0.29	0.28	0.25	0.23	0.22	0.22

Construction

Inner Conductor	Copper Clad Aluminium Wire	2.60 mm
Dielectric	Physically Foamed Polyethylene	6.80 mm
Outer Conductor	Corrugated Copper Tube	9.10 mm
Outer Jacket	PE or LSZH	10.2 mm

Outline

Ordering Information

3/8" - TFSF	-	**X**	-	**XXXX**	-	**X**
Cable Code						
Maximum Frequency(GHz)						
RF Connectors						
Overall Length(meter(s))						

For other connector options, contact factory.