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

7/8"-TF

RF Feeder Cable 7/8" Flex, DC~3GHz

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	87%	
Capacitance	76.5 pF/m	
Maximum Operating Frequency	5 GHz	
Cut-off Frequency	5.2 GHz	
Peak Power	90 kW	
Inner Conductor DC-Resistance	≦2.0 Ω/km	
Outer Conductor DC-Resistance	≦1.4 Ω/km	
Inductance	0.191 μH/m	
DC Breakdown Voltage	6000 V	
Jacket Spark Voltage(rms)	8000 V	
Return Loss(800~1000MHz)	≧26dB	VSWR ≦1.1
Return Loss(1700~2200MHz)	≧24dB	VSWR ≦1.13
Insulation Resistance	≧10 GΩKm	
Passive Intermodulation	≧160 dBc	

Environmental & Mechanical

Cable Weight	427 Kg/KM
Tensile Strength	2000 N
Bending Moment	18 Nm
Flat Plate Crush Strength	14 N/mm
Min. Bending Radius Single	120 mm
Min. Bending Radius Repeated	240 mm
No. of Bends, Minimum(Typical)	15(50)
Recommended Clamp Spacing	1 m
Installation Temperature	-40℃~+60℃
Operating Temperature	-55℃~+85℃
Storage Temperature	-70℃~+85℃

Attenuation & Average Power @20℃(sea level)

Frequency(MHz)	100	450	800	900	1000	1800	1900	2100	2200	2300	2500	2700	3000
Attenuation(dB/100m)	1.2	2.6	3.6	3.8	4	5.6	5.8	6.13	6.3	6.47	6.8	7.1	7.5
Power Handling(kW)	9.1	3.96	2.82	2.62	2.46	1.7	1.64	1.53	1.5	1.46	1.38	1.31	1.22

Construction

Inner Conductor	Copper Tube	9.10 mm
Dielectric	Physically Foamed Polyethylene	22.5 mm
Outer Conductor	Corrugated Copper Tube	24.5 mm
Outer Jacket	PE	27.5 mm

Ordering Information

7/8" - TF	-	**X**	-	**XXXX**	-	**X**
Cable Code						
Maximum Frequency(GHz)						
RF Connectors						
Overall Length(meter(s))						

For other connector options, contact factory.