



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	20.4 GHz
RF Peak Voltage	0.8 kV
Peak Power Rating	6.4 kW
Shielding Effectiveness>10MHz	> 120dB
Insulation Resistance	5000 MΩ·Km

VSWR

800~1000MHz	≤1.13
1700~2200MHz	≤1.13
2200~2700MHz	≤1.15
3300~3600MHz	≤1.2
4400~5000MHz	≤1.2

Environmental & Mechanical

Min. Bending Radius Single	12.5 mm
Min. Bending Radius Repeated	25 mm
No. of Bends, Minimum	15
Tensile Strength	600 N
Installation Temperature	-40°C~ +60°C
Operating Temperature	-55°C~ +85°C
Storage Temperature	-70°C~ +85°C

Attenuation & Average Power @20°C (sea level)

Frequency(MHz)	800	1000	1500	1800	2000	2500	3000	3500	3600	4000	4500	4800	5000
Attenuation(dB/100m)	16.7	18.6	23.4	25.7	26.9	30.6	33.5	36.17	36.73	38.92	41.53	43.05	44.03
Power Handling(kW)	0.42	0.37	0.3	0.27	0.26	0.23	0.21	0.18	0.18	0.17	0.16	0.15	0.15

Construction

Inner Conductor	Copper Clad Aluminium Wire	1.90 mm
Dielectric	Physically Foamed Polyethylene	4.75 mm
Outer Conductor	Corrugated Copper Tube	6.35 mm
Outer Jacket	Black PE or LSZH	7.50 mm

Outline



Ordering Information

1/4" - TFSF - X - XXXX - X

Cable Code

Maximum Frequency(GHz)

RF Connectors

Overall Length(meter(s))

For other connector options, contact factory.