



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	86%
Capacitance	78 pF/m
Cut-off Frequency	18.6 GHz
RF Peak Voltage	0.83 KV
Peak Power	11 kW
Shielding Effectiveness>10MHz	> 120dB
Insulation Resistance	5000 MΩ·Km
VSWR(800~1000MHz)	≤1.13
VSWR(1700~2200MHz)	≤1.13
VSWR(2200~2700MHz)	≤1.15
VSWR(3300~3600MHz)	≤1.2
VSWR(4400~5000MHz)	≤1.2

Environmental & Mechanical

Min. Bending Radius Single	38 mm
Min. Bending Radius Repeated	76 mm
No. of Bends, Minimum(Typical)	15(50)
Tensile Strength	530 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)	12.1	13.6	17	18.9	20	23	25.2	27.2	27.63	29.31	31.31	32.47	33.9
Power Handling(kW)	0.62	0.55	0.44	0.4	0.37	0.34	0.3	0.28	0.27	0.25	0.24	0.23	0.22

Construction

Inner Conductor	Copper Clad Aluminium Wire	2.60 mm
Dielectric	Physically Foamed Polyethylene	6.45 mm
Outer Conductor	Corrugated Copper Tube	7.70 mm
Outer Jacket	PE or LSZH	9.00 mm

Ordering Information

1/4" - TF	-	X	-	XXXX	-	X
Cable Code						
Maximum Frequency(GHz)						
RF Connectors						
Overall Length(meter(s))						

For other connector options, contact factory.

Outline

