



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	88%
Capacitance	76.0 pF/m
Cut-off Frequency	2.8 GHz
RF Peak Voltage	5.7 kV
Peak Power Rating	320 kW
Shielding Effectiveness	> 120dB
Insulation Resistance	5000 MΩ·Km

VSWR

800~1000MHz	≤1.13
1700~2200MHz	≤1.13
2200~2700MHz	≤1.15

Environmental & Mechanical

Min. Bending Radius Single	200 mm
Min. Bending Radius Repeated	510 mm
No. of Bends, Minimum	15
Tensile Strength	3300 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)	100	280	450	800	900	1000	1500	1800	2000	2200	2400	2500	2700
Attenuation(dB/100m)	0.67	1.2	1.53	2.12	2.28	2.42	3.09	3.45	3.68	3.91	4.13	4.24	4.45
Power Handling(kW)	16.9	9.47	7.36	5.26	4.93	4.61	3.64	3.27	3	2.85	2.7	2.61	2.49

Construction

Inner Conductor	Helical Corrugated Copper Tube	17.4 mm
Dielectric	Physically Foamed Polyethylene	42.8 mm
Outer Conductor	Corrugated Copper Tube	46.5 mm
Outer Jacket	Black PE or LSZH	49.5 mm

Ordering Information

13/8" - TF	-	X	-	XXXX	-	X
Cable Code						
Maximum Frequency(GHz)						
RF Connectors						
Overall Length(meter(s))						

For other connector options, contact factory.