

DATASHEET



FEATURES:

- Very high power handling
- High temperature
- Non-magnetic conductors
- Easy to bend

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	1.63 mm (0.064 in)	Solid Core
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	5.30 mm (0.209 in)	Teflon®
C Outer Conductor	TC (Tin Plated Copper)	6.20 mm (0.244 in)	100% Coverage

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 18 GHz
Cutoff Frequency	19 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	90 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Shield Effectiveness	> 90 dB
Working Voltage	3500 V _{RMS} (max.)
Weight	115 Kg/Km
Min. Bending Radius	30 mm (single)



Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.01	1.95	0.59	8900
0.05	4.7	1.43	4050
0.1	6.8	2.07	2880
0.15	8.3	2.53	2360
0.5	16.8	5.12	1300
1.0	24.3	7.41	915
2.0	36.6	11.16	630
5.0	65.5	19.98	407
10.0	98.9	30.16	288
12.5	118.0	35.99	250
18.0	150.0	45.75	210