

## DATASHEET



### FEATURES:

- High power handling
- High temperature
- Non-magnetic conductors

### 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)	2.96 mm (0.116 in)	Teflon®
C Outer Conductor	TC (Tin Plated Copper)	3.52 mm (0.138 in)	100% Coverage

### Electrical & Mechanical Data

Characteristic Impedance	25Ω (±2)
Operating Frequency	dc - 20 GHz
Cutoff Frequency	28 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	185 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Shield Effectiveness	> 90 dB
Working Voltage	2100 V <sub>RMS</sub> (max.)
Weight	48 Kg/Km
Min. Bending Radius	12 mm (single)



### Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.05	11.7	3.57	1460
0.1	17.0	5.18	1060
0.15	20.2	6.16	940
0.5	36.1	11.01	555
1.0	58.0	17.70	427
5.0	140.5	42.85	198
10.0	202.0	61.61	131