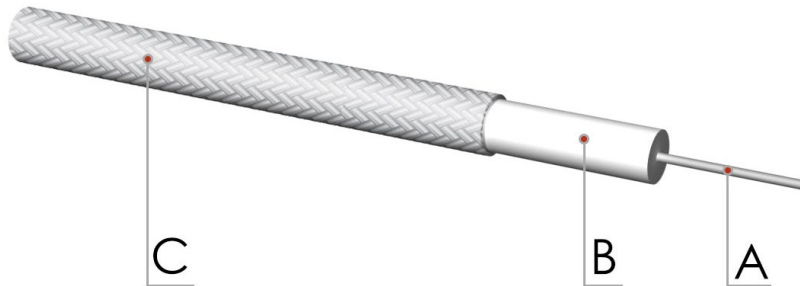


## DATASHEET



### FEATURES:

- For applications up to 40 GHz
- High temperature
- Non-magnetic conductors

### Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	0.51 mm (0.020 in)	Solid Core
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	1.68 mm (0.066 in)	-
C Outer Conductor	TC (Tin Plated Copper)	2.10 mm (0.083 in)	100% Coverage

### Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 40 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	95 pF/m
Operating Temperature	-55 / +200 °C (-67 / 392 °F)
Shield Effectiveness	> 90 dB
Working Voltage	1500 V <sub>RMS</sub> (max.)
Weight	15.5 Kg/Km
Min. Bending Radius	5 mm (single)



### Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.05	14.0	4.27	720
0.1	20.0	6.10	510
0.15	25.0	7.62	410
0.45	44.0	13.41	235
1.0	66.5	20.27	160
2.0	99.0	30.18	115
5.0	165.0	50.30	73
8.0	215.0	65.55	58
10.0	240.0	73.17	50
15.0	319.0	97.26	41
18.0	350.0	106.71	38
26.5	450.0	137.20	30