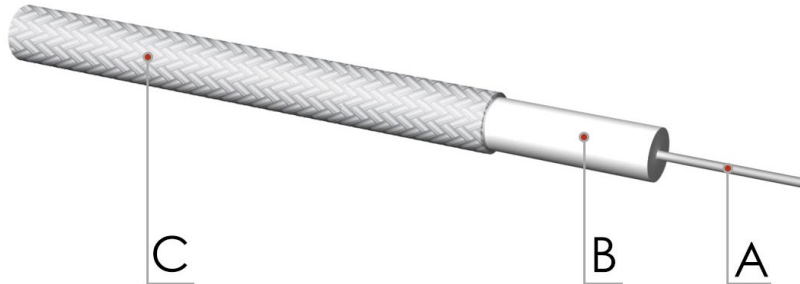


DATASHEET



FEATURES:

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

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	0.95 mm (0.037 in)	Solid Core
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	2.95 mm (0.118 in)	-
C Outer Conductor	TC (Tin Plated Copper)	3.58 mm (0.141 in)	100% Coverage

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 26.5 GHz
Cutoff Frequency	33 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	94 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Shield Effectiveness	> 90 dB
Working Voltage	1900 V _{RMS} (max.)
Weight	40 Kg/Km
Min. Bending Radius	10 mm (single)



Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.1	12.0	3.66	1300
0.5	27.0	8.23	600
1.0	39.3	11.99	420
3.0	73.0	22.26	305
5.0	99.0	30.18	190
10.0	152.0	46.36	130
15.0	197.0	60.06	108
18.0	223.0	67.66	100
26.5	290.0	88.41	80