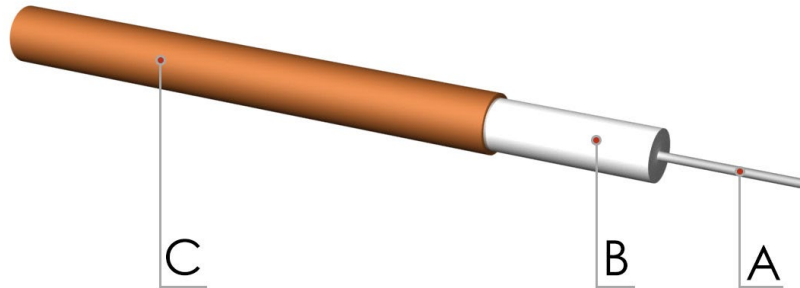


DATASHEET



FEATURES:

- High temperature
- High shielding
- 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	CU (Bare Copper)	2.20 mm (0.087 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	104 pF/m
Operating Temperature	-55 / +200 °C (-67 / 392 °F)
Shield Effectiveness	> 90 dB
Working Voltage	1600 V _{RMS} (max.)
Weight	22.2 Kg/Km
Min. Bending Radius	4.5 mm (single)



Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.5	49.0	14.9	195
1.0	70.0	21.3	130
2.0	99.0	30.2	97
5.0	160.0	48.8	61
10.0	255.0	77.7	42
18.0	360.0	109.8	32
26.5	446.0	136.0	25
40.0	600.0	182.9	20