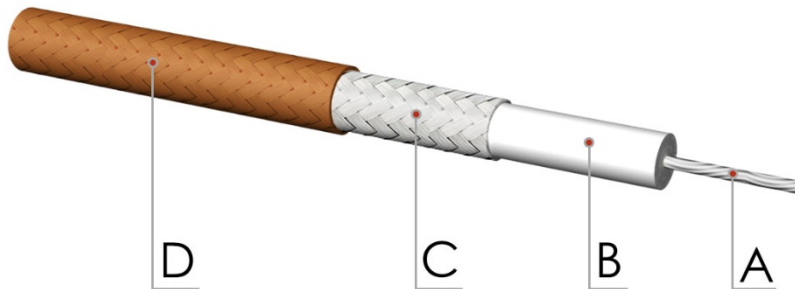


DATASHEET



FEATURES:

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

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	0.53 mm (0.021 in)	Stranded (7 x 0.17 mm)
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	1.52 mm (0.060 in)	Teflon®
C Outer Conductor	SPC (Silver Plated Copper)	1.98 mm (0.078 in)	95% Coverage 80x0.10 (Braid)
D Jacket	FEP (Fluorinated Ethylene Propylene)	2.50 mm (0,098 in)	Light Brown

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 4 GHz
Cutoff Frequency	60 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	98 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Working Voltage	1000 V _{RMS} (max.)
Weight	15.2 Kg/Km
Min. Bending Radius	8 mm (single), 18 mm (multiple)



Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	7.9	2.41	1350
30	13.1	3.99	850
50	17.8	5.43	610
100	25.3	7.71	440
150	31.4	9.57	360
500	59.0	17.99	200
1000	87.8	26.77	145
2000	130.5	39.79	99
3000	165.0	50.30	82