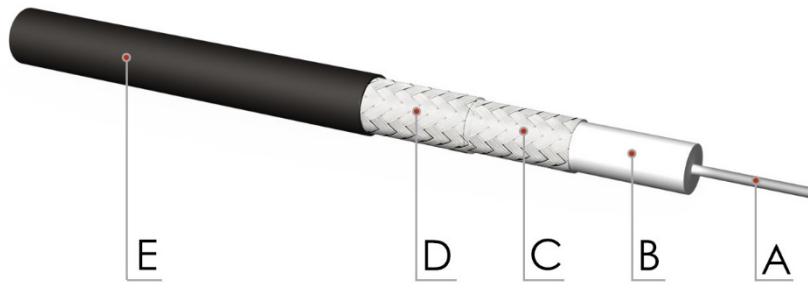


DATASHEET



FEATURES:

- Moderate attenuation
- Usable up to lower microwave frequencies
- Non-magnetic conductors
- MIL-C-17 Style

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	0.89 mm (0.035 in)	Solid Core
B Dielectric	PE (Polyethylene)	2.95 mm (0.116 in)	
C Outer Conductor	SPC (Silver Plated Copper)	3.50 mm (0.138 in)	95% Coverage 112x0.12 (Braid)
D Outer Conductor	SPC (Silver Plated Copper)	4.00 mm (0.157 in)	95% Coverage 112x0.12 (Braid)
E Jacket	PVC (Poly Vinyl Chloride)	5.40 mm (0.213 in)	Black

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 8 GHz (max. 10 GHz)
Cutoff Frequency	32 GHz
Velocity of Propagation	66%
Signal Delay	5 ns/m
Capacitance	99 pF/m
Operating Temperature	-25 / +85 °C (-13 / 185 °F)
Shield Effectiveness	> 80 dB
Working Voltage	2500 V _{RMS} (max.)
Weight	55.5 Kg/Km
Min. Bending Radius	28 mm (single), 55 mm (multiple)



Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	4.1	1.25	1200
30	7.0	2.14	690
50	9.1	2.78	530
100	13.1	4.00	380
150	16.2	4.94	300
450	29.3	8.94	175
1000	45.7	13.94	115
2400	76.4	23.30	75
5500	128.0	39.04	50
8000	166.0	50.63	43
10000	196.0	59.78	36