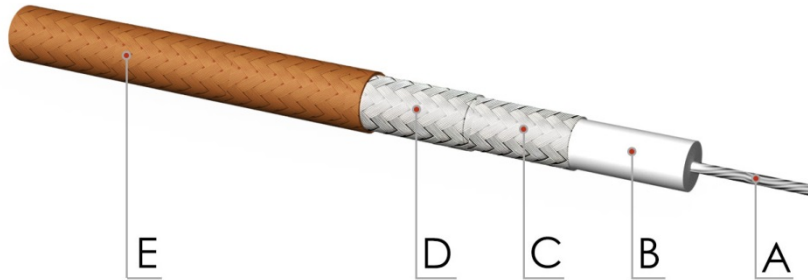


DATASHEET



FEATURES:

- High power handling
- High temperature
- Moderate attenuation
- Non-magnetic conductors
- MIL-C-17 Style

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	0.97 mm (0.038 in)	Stranded (19 x 0.20 mm)
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	2.95 mm (0.116 in)	Teflon®
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	FEP (Fluorinated Ethylene Propylene)	4.95 mm (0.195 in)	Light Brown

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 6 GHz (max. 10 GHz)
Cutoff Frequency	33 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	95 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Shield Effectiveness	> 80 dB
Working Voltage	2000 V _{RMS} (max.)
Weight	60.0 Kg/Km
Min. Bending Radius	25 mm (single), 50 mm (multiple)



Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	3.9	1.19	3450
30	6.8	2.07	1900
50	8.8	2.68	1580
100	12.6	3.84	1110
150	15.6	4.76	920
450	28.7	8.75	520
1000	46.0	14.02	340
2400	80.0	24.39	210
5500	127.0	38.72	140
8000	166.0	50.61	90
10000	196.0	59.76	75