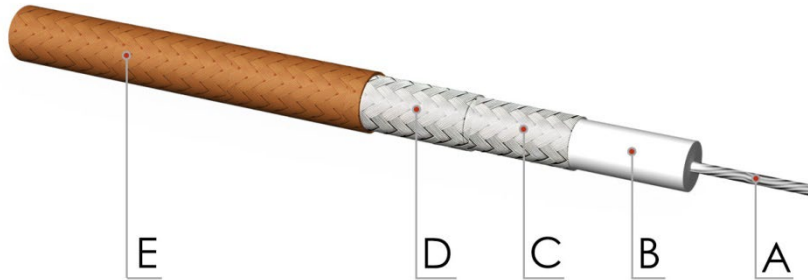


## DATASHEET



### FEATURES:

- Very 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)	2.30 mm (0.091 in)	Stranded (7 x 0.80 mm)
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	7.24 mm (0.285 in)	Teflon®
C Outer Conductor	SPC (Silver Plated Copper)	7.85 mm (0.309 in)	92% Coverage 144x0.12 (Braid)
D Outer Conductor	SPC (Silver Plated Copper)	8.60 mm (0.339 in)	95% Coverage 168x0.12 (Braid)
E Jacket	FEP (Fluorinated Ethylene Propylene)	9.90 mm (0.390 in)	Light Brown

### Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 6 GHz
Cutoff Frequency	13 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	96 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Shield Effectiveness	> 80 dB
Working Voltage	4600 V <sub>RMS</sub> (max.)
Weight	230.0 Kg/Km
Min. Bending Radius	55 mm (single), 90 mm (multiple)



### Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	2.0	0.61	14500
30	3.4	1.04	8300
50	4.9	1.49	6200
100	6.9	2.10	4500
150	8.5	2.59	3600
450	16.0	4.88	2100
1000	26.0	7.93	1400
2400	44.0	13.41	950
5500	75.0	22.87	620