

# CFS150B

Flexible, Thin, Ultra Low-Loss,  
Phase & Amplitude Stable Coaxial Cable



## Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.32	Silver Plated Copper
2	Insulating	0.91	LD-PTFE
3	Outer Conductor	1.03	Silver Plated Copper Ribbon
4	Shielding	1.17	Silver Plated Copper
5	Jacket	1.47	PFA

## Specification

1	Operating Frequency (GHz)	26.5
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 2^\circ$ @10GHz; $\leq \pm 3^\circ$ @18GHz
4	Phase Stability (Temperature)	$\leq 800\text{PPM}$ @ $-45^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}$ @18GHz
6	Velocity of Propagation	80%
7	Time Delay (ns/m)	4.2
8	Capacitance (pF/m)	90
9	Shielding Effectiveness (dB)	>90
10	Weight (g/m)	5.7
11	Minimum Bend Radius (mm)	6.40
12	Temperature Range (°C)	$-55 \sim +165$

## Attenuation VS. Frequency

Frequency (MHz)	2000	4000	6000	8000	10000	12000	14000	18000	26500
Attenuation (dB/m)	1.672	2.363	2.887	3.354	3.743	4.042	4.428	5.024	6.142



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