

CFS400B

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.05	Silver Plated Copper										
2	Insulating	2.94	LD-PTFE										
3	Outer Conductor	3.13	Silver Plated Copper Ribbon										
4	Shielding	3.53	Silver Plated Copper										
5	Jacket	4.00	PFA										
Specification													
1	Operating Frequency (GHz)	40											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ$ @ 18 GHz ; $\leq \pm 5^\circ$ @ 26.5 GHz											
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz											
6	Velocity of Propagation	82%											
7	Voltage Withstand (V,DC)	850											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	39											
10	Single Bend Radius (mm)	20.00											
11	Repeated Bend Radius (mm)	40.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000			
Attenuation (dB/m)	0.278	0.397	0.567	0.704	0.816	0.928	1.290	1.269	1.542	1.975			
Average Power (KW)	0.510	0.357	0.250	0.201	0.177	0.153	0.178	0.112	0.097	0.072			