

## CFA520M

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.35	Silver Plated Copper (Multi-Fiber Stranded)										
2	Insulating	3.80	LD-PTFE										
3	Outer Conductor	4.00	Silver Plated Copper Ribbon										
4	Shielding	4.55	Silver Plated Copper										
5	Jacket	5.30	FEP										
Specification													
1	Operating Frequency (GHz)	26.5											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ$ @ 18 GHz ; $\leq \pm 5^\circ$ @ 26.5 GHz											
4	Phase Stability (Temperature)	< 1400 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz											
6	Velocity of Propagation	76%											
7	Voltage Withstand (V,DC)	1000											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	60											
10	Single Bend Radius (mm)	26.00											
11	Repeated Bend Radius (mm)	53.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500				
Attenuation (dB/m)	0.306	0.436	0.623	0.770	0.895	1.007	1.129	1.378	1.699				
Average Power (KW)	0.749	0.525	0.367	0.297	0.256	0.227	0.203	0.166	0.135				