

CFA520

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.29	Silver Plated Copper										
2	Insulating	3.85	LD-PTFE										
3	Outer Conductor	4.05	Silver Plated Copper Ribbon										
4	Shielding	4.62	Silver Plated Copper										
5	Jacket	5,20	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)	52.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	300	500	1000	2000	3000	6000	8000	10000	12400	18000	26500		
Attenuation (dB/m)	0.135	0.175	0.250	0.356	0.440	0.632	0.737	0.830	0.931	1.140	1.411		
Average Power (KW)	1.383	1.067	0.749	0.524	0.425	0.296	0.254	0.225	0.201	0.164	0.133		