

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	$\leq \pm 3^\circ$ @18GHz; $\leq \pm 5^\circ$ @26.5GHz
4	Phase Stability (Temperature)	$< 1400\text{PPM}$ @ $-55^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}$ @18GHz
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 ($^\circ\text{C}$)	$-55 \sim +165$

Attenuation VS. Frequency VS. Power

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



Add: 569 Huaxu Road, Qingpu Shanghai, P. R. China

Email: sales@mechanc.com

Tel: +86-021-54667179

Web: www.mechanc.com