

CFA370

Flexible, Low-Loss,

Phase & Amplitude Stable Coaxial Cable



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.91	Silver Plated Copper
2	Insulating	2.70	LD-PTFE
3	Outer Conductor	2.85	Silver Plated Copper Ribbon
4	Shielding	3.30	Silver Plated Copper
5	Jacket	3.75	FEP

Specification

1	Operating Frequency (GHz)	40
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)	36
10	Single Bend Radius (mm)	19.00
11	Repeated Bend Radius (mm)	38.00
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +165$

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/m)	0.394	0.560	0.798	0.982	1.139	1.279	1.430	1.737	2.129	2.650
Average Power (KW)	0.753	0.530	0.372	0.302	0.261	0.232	0.208	0.171	0.139	0.112



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