

# 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	$\leq \pm 3^\circ$ @ 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)	36
10	Single Bend Radius (mm)	19.00
11	Repeated Bend Radius (mm)	38.00
12	Temperature Range (°C )	-55 ~ +165

## Attenuation VS. Frequency

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000			
Attenuation (dB/m)	0.394	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			