

CFT360

Flexible, Low-Loss, Long Bending Life,

Suitable for Precision Testing, Phase & Amplitude Stable Coaxial Cable



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.72	Silver Plated Copper
2	Insulating	2.21	LD-PTFE
3	Outer Conductor	2.38	Silver Plated Copper Ribbon
4	Sandwich layer	2.68	PTFE
5	Shielding	3.14	Silver Plated Copper
6	Jacket	3.60	FEP

Specification

1	Operating Frequency (GHz)	50
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 3^\circ$ @18GHz; $\leq \pm 5^\circ$ @26.5GHz
4	Phase Stability (Temperature)	$< 750\text{PPM}$ @ $-55^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}$ @18GHz
6	Velocity of Propagation	76%
7	Voltage Withstand (V, DC)	500
8	Shielding Effectiveness (dB)	> 90
9	Weight (g/m)	30
10	Single Bend Radius (mm)	18.00
11	Repeated Bend Radius (mm)	36.00
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	50000
Attenuation (dB/m)	0.438	0.622	0.885	1.088	1.261	1.415	1.581	1.918	2.348	2.917	3.285
Average Power (KW)	0.506	0.356	0.250	0.204	0.176	0.157	0.140	0.116	0.094	0.076	0.067



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