

CFT360

Flexible, Ultra Low-Loss, Long Bending Life,

Suitable for Precision Testing, Phase & Amplitude Stable RF Coaxial Cable

Ver: DA-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.72	Silver Plated Copper
2	Insulating	2.14	LD-PTFE
3	Outer Conductor	2.26	Silver Plated Copper Ribbon
4	Sandwich layer	2.68	PTFE
5	Shielding	3.08	Silver Plated Copper
6	Jacket	3.60	FEP

Specification

1	Operating Frequency(GHz)	50
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	1000
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	33
7	Single Bend Radius(mm)	18.00
8	Repeated Bend Radius(mm)	36.00
9	Temperature Range(°C)	-55~+165

Attenuation (Typical@25°C & VSWR=1.0) VS. Frequency VS. Power (VSWR=1.0; 40°C; Sea Level)

Frequency (MHz)	300	1000	2000	4000	6000	8000	10000	12000	18000	26500	40000	50000
Attenuation (dB/m)	0.239	0.438	0.622	0.885	1.088	1.261	1.415	1.554	1.918	2.348	2.917	3.285
Average Power (KW)	0.750	0.409	0.288	0.202	0.165	0.142	0.127	0.115	0.093	0.076	0.061	0.055

$$K1=1.3707349$$

$$K2=0.0004400$$

$$\text{Calculate Attenuation} = K1*\sqrt{\text{FMHz}}+K2*\text{FMHz}$$



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