

CFT500MW

Flexible, Ultra Low-Loss, Long Bending Life,

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

Ver: B-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.44	Silver Plated Copper (Stranded)
2	Wrapping layer	1.64	PFA
3	Insulating	3.85	LD-PTFE
4	Outer Conductor	4.05	Silver Plated Copper Ribbon
5	Sandwich layer	4.30	PTFE
6	Shielding	4.65	Silver Plated Copper
7	Jacket	5.10	FEP

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Velocity of Propagation	81%
4	Voltage Withstand (V,DC)	2000
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	58
7	Single Bend Radius(mm)	26.00
8	Repeated Bend Radius(mm)	51.00
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	3000	6000	10000	12000	18000	26500
Attenuation (dB/m)	0.146	0.271	0.481	0.696	0.919	1.016	1.274	1.588
Average Power (KW)	1.522	0.821	0.463	0.320	0.242	0.219	0.175	0.140

$$K1=0.8288000$$

$$K2=0.0005600$$

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



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