CFT150

Flexible, Ultra Low-Loss, Long Bending Life,

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

Ver: S-A01

Structure & Dimension

	Structure	Dimension（mm）	Material
1	Inner Conductor	0.30	Silver Plated Copper Clad Steel
2	Insulating	0.88	LD-PTFE
3	Outer Conductor	1.00	Silver Plated Copper Ribbon
4	Sandwich layer	1.25	PTFE
5	Shielding	1.50	Silver Plated Copper
6	Jacket	1.85	FEP

Specification

1	Operating Frequency(GHz)	110
2	Impedance(Ohms)	50
3	Velocity of Propagation	77%
4	Voltage Withstand (V,DC)	600
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	8
7	Single Bend Radius(mm)	9.50
8	Repeated Bend Radius(mm)	19.00
9	Temperature Range(℃)	-55～+125

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

Frequency（MHz）	1000	2000	3000	6000	8000	18000	26500	40000	67000	75000	110000
Attenuation（dB/m）	1.137	1.616	1.985	2.829	3.280	4.993	6.115	7.604	10.027	10.659	13.143
Average Power（KW）	0.039	0.027	0.022	0.016	0.014	0.009	0.007	0.006	0.004	0.004	0.003

K1=3.5578460 K2=0.0012210

Calculate Attenuation ＝ K1*√FMHz+K2*FMHz

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