

CFT150

Flexible, Thin, Low-Loss, Long Bending Life,
Suitable for Precision Testing, Phase & Amplitude Stable Coaxial Cable



Structure & Dimension			
	Structure	Dimension (mm)	Material
1	Inner Conductor	0.31	Silver Plated Copper
2	Insulating	0.88	LD-PTFE
3	Outer Conductor	1.00	Silver Plated Copper Ribbon
4	Sandwich layer	1.20	PTFE
5	Shielding	1.45	Silver Plated Copper
6	Jacket	1.85	FEP

Specification		
1	Operating Frequency (GHz)	110
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 5^\circ @ 18 \text{ GHz}$; $\leq \pm 7^\circ @ 26.5 \text{ GHz}$
4	Phase Stability (Temperature)	$< 750 \text{ PPM @ } -55^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.15 \text{ dB @ } 18 \text{ GHz}$
6	Velocity of Propagation	80%
7	Voltage Withstand (V,DC)	400
8	Shielding Effectiveness (dB)	> 90
9	Weight (g/m)	8
10	Single Bend Radius (mm)	10.00
11	Reapted Bend Radius (mm)	20.00
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +125$

Attenuation VS. Frequency VS. Power												
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	