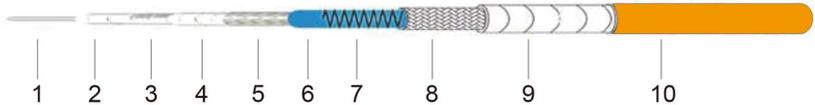


CFT150A39

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
7~9	Armor Layer	3.29	Fusion of Multiple Materials
10	Armor Jacket	3.84	Bicolor PTFE Weaving

Specification

1	Operating Frequency (GHz)	110
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 10^\circ$ @ 110 GHz
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 67 GHz
6	Velocity of Propagation	81%
7	Voltage Withstand (V,DC)	500
8	Shielding Effectiveness (dB)	> 90
9	Weight (g/m)	30.00
10	Single Bend Radius (mm)	50.00
11	Reapted Bend Radius (mm)	500000
12	Temperature Range (°C)	-55 ~ +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	