

# CFT360

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.72	Silver Plated Copper										
2	Insulating	2.21	LD-PTFE										
3	Outer Conductor	2.38	Silver Plated Copper Ribbon										
4	Sandwich layer	2.68	PTFE										
5	Shielding	3.14	Silver Plated Copper										
6	Jacket	3.60	FEP										
Specification													
1	Operating Frequency (GHz)	50											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ @ 18 \text{ GHz}$ ; $\leq \pm 5^\circ @ 26.5 \text{ GHz}$											
4	Phase Stability (Temperature )	$< 750 \text{ PPM} @ -55^\circ\text{C} \sim +85^\circ\text{C}$											
5	Amplitude Stability	$\leq \pm 0.1 \text{ dB} @ 18 \text{ GHz}$											
6	Velocity of Propagation	76%											
7	Voltage Withstand (V,DC)	500											
8	Shielding Effectiveness (dB)	$> 90$											
9	Weight (g/m)	30											
10	Single Bend Radius (mm)	18.00											
11	Reapted Bend Radius (mm)	36.00											
12	Temperature Range ( $^\circ\text{C}$ )	$-55 \sim +165$											
Attenuation VS. Frequency VS. Power													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000	50000		
Attenuation (dB/m)	0.438	0.622	0.885	1.088	1.261	1.415	1.581	1.918	2.348	2.917	3.285		
Average Power (KW)	0.506	0.356	0.250	0.204	0.176	0.157	0.140	0.116	0.094	0.076	0.067		