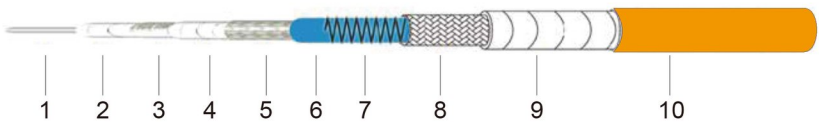
MECHANC

CFT360A61

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
7 ~ 9	Armor Layer	5.45	Fusion of Multiple Materials
10	Armor Jacket	6.10	Bicolor PTFE Weaving

Specification		
1	Operating Frequency (GHz)	50
2	Impedance (Ohms)	50
3	Phase Stability	≤±3° @ 18 GHz ; ≤±5° @ 26.5 GHz
4	Phase Stability (Temperature)	< 750 PPM @ -55℃ ~ +85℃
5	Amplitude Stability	≤±0.05 dB @ 67 GHz
6	Velocity of Propagation	76%
7	Voltage Withstand (V,DC)	500
8	Shielding Effectiveness (dB)	> 90
9	Weight (g/m)	30.00
10	Single Bend Radius (mm)	60.00
11	Reapted Bend Radius (mm)	100000
12	Temperature Range (℃)	-55 ~ +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		