

CFT420

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.02	Silver Plated Copper (Multi-fiber Stranded)										
2	Insulating	2.70	LD-PTFE										
3	Outer Conductor	2.95	Silver Plated Copper Ribbon										
4	Sandwich layer	3.20	PTFE										
5	Shielding	3.62	Silver Plated Copper										
6	Jacket	4.20	FEP										
Specification													
1	Operating Frequency (GHz)	40											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ$ @ 18 GHz ; $\leq \pm 5^\circ$ @ 26.5 GHz											
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz											
6	Velocity of Propagation	81%											
7	Voltage Withstand (V,DC)	500											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	40											
10	Single Bend Radius (mm)	21.00											
11	Reapted Bend Radius (mm)	42.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency VS. Power													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000			
Attenuation (dB/m)	0.394	0.560	0.797	0.981	1.138	1.277	1.427	1.733	2.123	2.641			
Average Power (KW)	0.567	0.399	0.280	0.228	0.196	0.175	0.157	0.129	0.105	0.085			