

CFT420MW

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	Wrapping layer		FEP
3	Insulating	2.80	LD-PTFE
4	Outer Conductor	2.95	Silver Plated Copper Ribbon
5	Sandwich layer	3.20	PTFE
6	Shielding	3.62	Silver Plated Copper
7	Jacket	4.20	FEP

Specification		
1	Operating Frequency (GHz)	40
2	Impedance (Ohms)	50
3	Phase Stability	≤±3° @18GHz ; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<950PPM@-55°C~+85°C
5	Amplitude Stability	≤±0.1dB@18GHz
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	Repeated Bend Radius(mm)	42.00
12	Temperature Range(°C)	-55~+165

Attenuation VS. Frequency VS. Power									
Frequency (MHz)	1000	2000	3000	8000	10000	12400	18000	26500	40000
Attenuation (dB/m)	0.405	0.576	0.708	1.169	1.312	1.466	1.780	2.180	2.712
Average Power (KW)	0.567	0.399	0.325	0.197	0.175	0.157	0.129	0.105	0.085