

# CFT500S

Suitable for Precision Testing, Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.44	Silver Plated Copper (Multi-fiber Stranded)										
2	Insulating	3.80	LD-PTFE										
3	Outer Conductor	4.00	Silver Plated Copper Ribbon										
4	Sandwich layer	4.32	PTFE										
5	Shielding	4.63	Silver Plated Copper										
6	Jacket	5.90	PUR										
Specification													
1	Operating Frequency (GHz)	26.5											
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 @ -45°C ~ +85°C											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz											
6	Velocity of Propagation	82%											
7	Voltage Withstand (V,DC)	2000											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	80											
10	Single Bend Radius (mm)	25.00											
11	Reapted Bend Radius (mm)	50.00											
12	Temperature Range (°C )	-45 ~ +85											
Attenuation VS. Frequency VS. Power													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500				
Attenuation (dB/m)	0.271	0.389	0.560	0.696	0.813	0.919	1.035	1.274	1.588				
Average Power (KW)	0.411	0.287	0.199	0.160	0.137	0.121	0.108	0.088	0.070				