

## CFT500MWS

Flexible Better, Low-Loss, Long Bending Life,

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	Wrapping layer		FEP
3	Insulating	3.80	LD-PTFE
4	Outer Conductor	4.00	Silver Plated Copper Ribbon
5	Sandwich layer	4.32	PTFE
6	Shielding	4.63	Silver Plated Copper
7	Jacket	5.90	PUR

  

Specification		
1	Operating Frequency (GHz)	26.5
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 3^\circ$ @18GHz ; $\leq \pm 5^\circ$ @26.5GHz
4	Phase Stability (Temperature)	$< 750\text{PPM}@-45^\circ\text{C}\sim+85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}@18\text{GHz}$
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	Repeated Bend Radius(mm)	50.00
12	Temperature Range( $^\circ\text{C}$ )	$-45\sim+85$

  

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