

CFE800

Flexible, Low-Loss,
Economy Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	2.30	Silver Plated Copper										
2	Insulating	6.80	LD-PTFE										
3	Outer Conductor	6.95	Self-adhesive Al Foil										
4	Shielding	7.50	Silver Plated Copper										
5	Jacket	8.10	FEP										
Specification													
1	Operating Frequency (GHz)	18											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 9^\circ$ @ 18 GHz											
4	Phase Stability (Temperature)	< 1400 PPM @ $-55^\circ\text{C} \sim +85^\circ\text{C}$											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz											
6	Velocity of Propagation	76%											
7	Voltage Withstand (V,DC)	2000											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	120											
10	Single Bend Radius (mm)	40.00											
11	Repeated Bend Radius (mm)	81.00											
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +125$											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	16000	18000				
Attenuation (dB/m)	0.151	0.218	0.319	0.401	0.473	0.538	0.610	0.710	0.763				
Average Power (KW)	1.674	1.155	0.790	0.629	0.534	0.469	0.413	0.355	0.331				