

CFE360

Flexible, Low-Loss,
Economy Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.91	Silver Plated Copper										
2	Insulating	2.65	LD-PTFE										
3	Outer Conductor	2.78	Self-adhesive Al Foil										
4	Shielding	3.25	Silver Plated Copper										
5	Jacket	3.60	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)	1000											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	28											
10	Single Bend Radius (mm)	18.00											
11	Repeated Bend Radius (mm)	36.00											
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +125$											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000					
Attenuation (dB/m)	0.387	0.550	0.786	0.969	1.125	1.264	1.415	1.723					
Average Power (KW)	0.462	0.325	0.227	0.184	0.159	0.141	0.126	0.104					