

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	$\leq \pm 9^\circ$ @18GHz
4	Phase Stability (Temperature)	$< 1400\text{PPM}@-55^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}@18\text{GHz}$
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 VS. Power

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



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