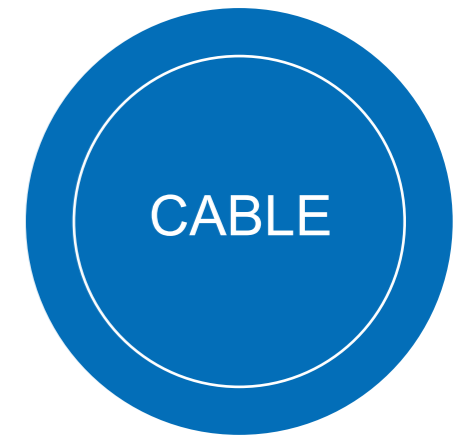
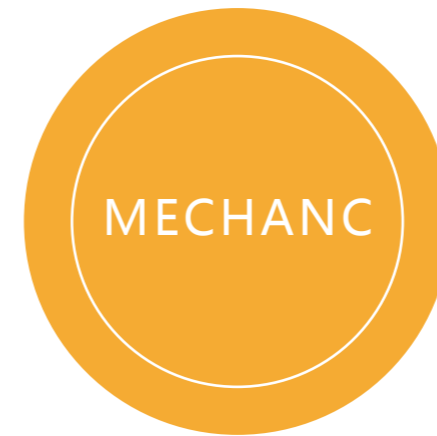




Flexible, Low-Loss,  
Economy Coaxial Cables

**CFE Series**



## 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°C ~ +85°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 (°C)	-55 ~ +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						

## CFE500

Flexible, Low-Loss,  
Economy Coaxial Cable



Structure & Dimension														
	Structure	Dimension (mm)	Material											
1	Inner Conductor	1.45	Silver Plated Copper											
2	Insulating	4.20	LD-PTFE											
3	Outer Conductor	4.32	Self-adhesive Al Foil											
4	Shielding	4.65	Silver Plated Copper											
5	Jacket	5.10	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°C ~ +85°C												
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz												
6	Velocity of Propagation	76%												
7	Voltage Withstand (V,DC)	1500												
8	Shielding Effectiveness (dB)	> 90												
9	Weight (g/m)	60												
10	Single Bend Radius (mm)	25.00												
11	Repeated Bend Radius (mm)	51.00												
12	Temperature Range (°C)	-55 ~ +125												
Attenuation VS. Frequency														
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	16000	18000					
Attenuation (dB/m)	0.238	0.343	0.498	0.621	0.729	0.827	0.934	1.082	1.159					
Average Power (KW)	0.766	0.532	0.366	0.293	0.250	0.220	0.195	0.168	0.157					

# 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				



CFE  
SERIES