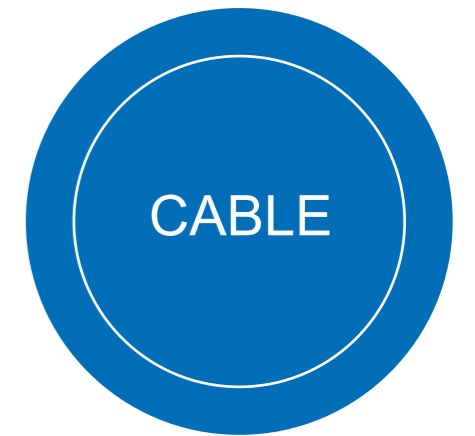
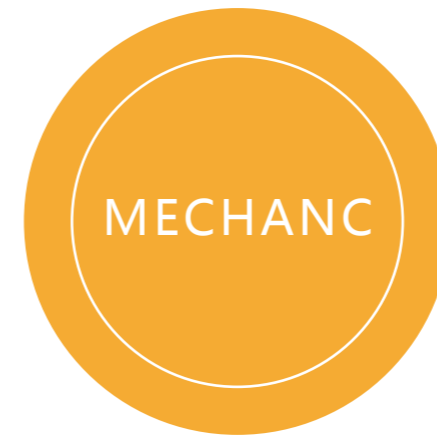




Flexible, Low-Loss,
Phase & Amplitude Stable Coaxial Cables

CFA Series



CFA230

Flexible, Low-Loss,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.51	Silver Plated Copper										
2	Insulating	1.52	LD-PTFE										
3	Outer Conductor	1.70	Silver Plated Copper Ribbon										
4	Shielding	2.04	Silver Plated Copper										
5	Jacket	2.33	FEP										
Specification													
1	Operating Frequency (GHz)	50											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ$ @ 18 GHz ; $\leq \pm 5^\circ$ @ 26.5 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)	400											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	16											
10	Single Bend Radius (mm)	11.00											
11	Repeated Bend Radius (mm)	23.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	300	500	1000	2000	3000	4000	6000	10000	12400	18000	26500	40000	50000
Attenuation (dB/m)	0.381	0.493	0.701	0.998	1.229	1.426	1.760	2.299	2.576	3.141	3.868	4.843	5.479
Average Power (KW)	0.178	0.137	0.097	0.068	0.055	0.048	0.039	0.029	0.026	0.022	0.018	0.014	0.012

CFA370

Flexible, Low-Loss,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.91	Silver Plated Copper										
2	Insulating	2.70	LD-PTFE										
3	Outer Conductor	2.85	Silver Plated Copper Ribbon										
4	Shielding	3.30	Silver Plated Copper										
5	Jacket	3.75	FEP										
Specification													
1	Operating Frequency (GHz)	40											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ$ @ 18 GHz ; $\leq \pm 5^\circ$ @ 26.5 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)	36											
10	Single Bend Radius (mm)	19.00											
11	Repeated Bend Radius (mm)	38.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000			
Attenuation (dB/m)	0.394	0.560	0.798	0.982	1.139	1.279	1.430	1.737	2.129	2.650			
Average Power (KW)	0.753	0.530	0.372	0.302	0.261	0.232	0.208	0.171	0.139	0.112			

CFA520

Flexible, Low-Loss,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.29	Silver Plated Copper										
2	Insulating	3.85	LD-PTFE										
3	Outer Conductor	4.05	Silver Plated Copper Ribbon										
4	Shielding	4.62	Silver Plated Copper										
5	Jacket	5.20	FEP										
Specification													
1	Operating Frequency (GHz)	26.5											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ$ @ 18 GHz ; $\leq \pm 5^\circ$ @ 26.5 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)	60											
10	Single Bend Radius (mm)	26.00											
11	Repeated Bend Radius (mm)	52.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	300	500	1000	2000	3000	6000	8000	10000	12400	18000	26500		
Attenuation (dB/m)	0.135	0.175	0.250	0.356	0.440	0.632	0.737	0.830	0.931	1.140	1.411		
Average Power (KW)	1.383	1.067	0.749	0.524	0.425	0.296	0.254	0.225	0.201	0.164	0.133		

CFA520M

Flexible Better, Low-Loss,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.35	Silver Plated Copper (Multi-Fiber Stranded)										
2	Insulating	3.80	LD-PTFE										
3	Outer Conductor	4.00	Silver Plated Copper Ribbon										
4	Shielding	4.55	Silver Plated Copper										
5	Jacket	5.30	FEP										
Specification													
1	Operating Frequency (GHz)	26.5											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ$ @ 18 GHz ; $\leq \pm 5^\circ$ @ 26.5 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)	60											
10	Single Bend Radius (mm)	26.00											
11	Repeated Bend Radius (mm)	53.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500				
Attenuation (dB/m)	0.306	0.436	0.623	0.770	0.895	1.007	1.129	1.378	1.699				
Average Power (KW)	0.749	0.525	0.367	0.297	0.256	0.227	0.203	0.166	0.135				

CFA640

Flexible, Low-Loss,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.57	Silver Plated Coppe										
2	Insulating	4.72	LD-PTFE										
3	Outer Conductor	4.96	Silver Plated Copper Ribbon										
4	Shielding	5.53	Silver Plated Copper										
5	Jacket	6.35	FEP										
Specification													
1	Operating Frequency (GHz)	18											
2	Impedance (Ohms)	50											
3	Phase Stability	≤±2° @ 10 GHz ; ≤±3° @ 18 GHz											
4	Phase Stability (Temperature)	< 1400 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	≤±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)	86											
10	Single Bend Radius (mm)	31.00											
11	Repeated Bend Radius (mm)	63.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	300	500	1000	2000	3000	4000	6000	8000	10000	12400	18000		
Attenuation (dB/m)	0.108	0.140	0.200	0.287	0.354	0.412	0.511	0.597	0.674	0.758	0.931		
Average Power (KW)	1.885	1.453	1.019	0.712	0.576	0.495	0.399	0.342	0.303	0.269	0.219		

CFA930

Flexible, Low-Loss,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	2.44	Silver Plated Coppe										
2	Insulating	7.24	LD-PTFE										
3	Outer Conductor	7.48	Silver Plated Copper Ribbon										
4	Shielding	8.20	Silver Plated Copper										
5	Jacket	9.30	FEP										
Specification													
1	Operating Frequency (GHz)	10											
2	Impedance (Ohms)	50											
3	Phase Stability	≤±2° @ 10 GHz											
4	Phase Stability (Temperature)	< 1400 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	≤±0.1 dB @ 10 GHz											
6	Velocity of Propagation	76%											
7	Voltage Withstand (V,DC)	2500											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	180											
10	Single Bend Radius (mm)	46.00											
11	Repeated Bend Radius (mm)	93.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	100	300	500	1000	2000	3000	4000	5000	6000	8000	10000		
Attenuation (dB/m)	0.039	0.067	0.088	0.126	0.181	0.225	0.263	0.298	0.329	0.386	0.438		
Average Power (KW)	5.990	3.420	2.629	1.833	1.271	1.023	0.875	0.775	0.701	0.597	0.526		