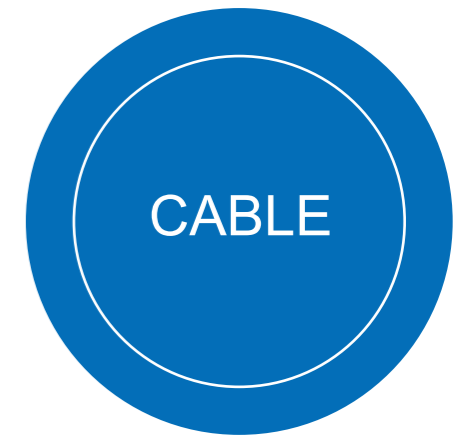
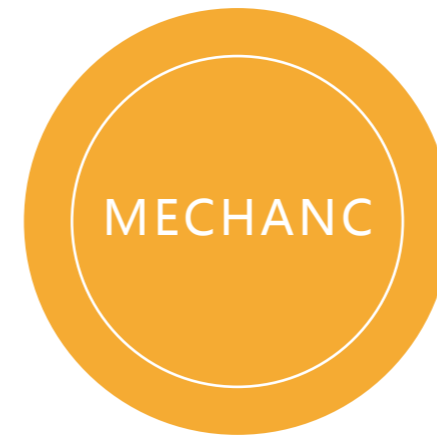




Flexible, Thin, Ultra Low-Loss,
Phase & Amplitude Stable Coaxial Cables

CFS Series



CFS090

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.20	Silver Plated Copper										
2	Insulating	0.58	LD-PTFE										
3	Outer Conductor	0.69	Silver Plated Copper Ribbon										
4	Shielding	0.81	Silver Plated Copper										
5	Jacket	0.91	FEP										
Specification													
1	Operating Frequency (GHz)	5.8											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 2^\circ$ @ 5.8 GHz											
4	Phase Stability (Temperature)	≤ 800 PPM @ $-45^\circ\text{C} \sim +85^\circ\text{C}$											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 5.8 GHz											
6	Velocity of Propagation	80%											
7	Time Delay (ns/m)	4.2											
8	Capacitance (pF/m)	83											
9	Shielding Effectiveness (dB)	> 90											
10	Weight (g/m)	3.9											
11	Minimum Bend Radius (mm)	3.48											
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +165$											
Attenuation VS. Frequency VS. Power													
Frequency (MHz)	10	50	100	200	500	1000	2000	5000	5800				
Attenuation (dB/m)	0.170	0.373	0.529	0.758	1.211	1.738	2.524	4.137	4.503				

CFS120

Flexible, Low-Loss, Long Bending Life,
Suitable for Precision Testing, Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.27	Silver Plated Copper Clad Steel										
2	Insulating	0.78	LD-PTFE										
3	Outer Conductor	0.89	Silver Plated Copper Ribbon										
4	Shielding	1.02	Silver Plated Copper										
5	Jacket	1.12	FEP										
Specification													
1	Operating Frequency (GHz)	5.8											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 2^\circ$ @ 5.8 GHz											
4	Phase Stability (Temperature)	≤ 800 PPM @ $-45^\circ\text{C} \sim +85^\circ\text{C}$											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 5.8 GHz											
6	Velocity of Propagation	80%											
7	Time Delay (ns/m)	4.2											
8	Capacitance (pF/m)	83											
9	Shielding Effectiveness (dB)	> 90											
10	Weight (g/m)	4.9											
11	Minimum Bend Radius (mm)	4.10											
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +165$											
Attenuation VS. Frequency													
Frequency (MHz)	10	50	100	200	500	1000	2000	5000	5800				
Attenuation (dB/m)	0.141	0.307	0.432	0.609	0.974	1.379	1.963	3.137	3.386				

CFS150B

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.32	Silver Plated Copper										
2	Insulating	0.91	LD-PTFE										
3	Outer Conductor	1.03	Silver Plated Copper Ribbon										
4	Shielding	1.17	Silver Plated Copper										
5	Jacket	1.47	PFA										
Specification													
1	Operating Frequency (GHz)	26.5											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz ; $\leq \pm 3^\circ$ @ 18 GHz											
4	Phase Stability (Temperature)	≤ 800 PPM @ -45°C ~ +85°C											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz											
6	Velocity of Propagation	80%											
7	Time Delay (ns/m)	4.2											
8	Capacitance (pF/m)	90											
9	Shielding Effectiveness (dB)	> 90											
10	Weight (g/m)	5.7											
11	Minimum Bend Radius (mm)	6.40											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	2000	4000	6000	8000	10000	12000	14000	18000	26500				
Attenuation (dB/m)	1.672	2.363	2.887	3.354	3.743	4.042	4.428	5.024	6.142				

CFS150

Flexible, Low-Loss, Long Bending Life,
Suitable for Precision Testing, Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.32	Silver Plated Copper										
2	Insulating	0.91	LD-PTFE										
3	Outer Conductor	1.04	Silver Plated Copper Ribbon										
4	Shielding	1.17	Silver Plated Copper										
5	Jacket	1.48	ETFE										
Specification													
1	Operating Frequency (GHz)	70											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz ; $\leq \pm 3^\circ$ @ 18 GHz											
4	Phase Stability (Temperature)	≤ 1200 PPM @ -45°C ~ +85°C											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz											
6	Velocity of Propagation	79%											
7	Time Delay (ns/m)	4.2											
8	Capacitance (pF/m)	84.5											
9	Shielding Effectiveness (dB)	> 90											
10	Minimum Bend Radius (mm)	6.00											
11	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	8000	12000	18000	26500	34000	40000	50000	70000		
Attenuation (dB/m)	1.098	1.566	2.241	3.220	3.993	4.962	6.123	7.023	7.686	8.709	9.642		
Average Power (KW)	0.049	0.035	0.024	0.017	0.014	0.011	0.009	0.008	0.007	0.006	0.004		

CFS150U

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.31	Silver Plated Copper										
2	Insulating	0.88	LD-PTFE										
3	Outer Conductor	1.00	Silver Plated Copper Ribbon										
4	Shielding	1.23	Silver Plated Copper										
5	Jacket	1.50	FEP										
Specification													
1	Operating Frequency (GHz)	110											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz ; $\leq \pm 3^\circ$ @ 18 GHz											
4	Phase Stability (Temperature)	≤ 800 PPM @ -45°C ~ +85°C											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz											
6	Velocity of Propagation	82%											
7	Time Delay (ns/m)	500											
8	Capacitance (pF/m)	> 90											
9	Shielding Effectiveness (dB)	6.0											
10	Weight (g/m)	6.00											
11	Minimum Bend Radius (mm)	14.50											
12	Temperature Range (°C)	-55 ~ +125											
Attenuation VS. Frequency													
Frequency (MHz)	1000	3000	6000	10000	12400	18000	26500	40000	50000	67000	80000	90000	110000
Attenuation (dB/m)	1.137	1.985	2.823	3.680	4.113	4.993	6.115	7.604	8.566	10.027	11.034	11.772	13.143
Average Power (KW)	0.178	0.102	0.072	0.055	0.049	0.041	0.033	0.027	0.024	0.020	0.018	0.017	0.015

CFS150UE

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.31	Silver Plated Copper										
2	Insulating	0.88	LD-PTFE										
3	Outer Conductor	1.00	Silver Plated Copper Ribbon										
4	Shielding	1.23	Silver Plated Copper										
5	Jacket	1.50	FEP										
Specification													
1	Operating Frequency(GHz)	67											
2	Impedance(Ohms)	50											
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz ; $\leq \pm 3^\circ$ @ 18 GHz											
4	Phase Stability (Temperature)	≤ 800 PPM @ -45°C ~ +85°C											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz											
6	Velocity of Propagation	82%											
7	Voltage Withstand(V,DC)	500											
8	Shielding Effectiveness(dB)	> 90											
9	Weight(g/m)	6.0											
10	Single Bend Radius (mm)	6.00											
11	Repeated Bend Radius(mm)	14.50											
12	Temperature Range(°C)	-55 ~ +125											
Attenuation VS. Frequency													
Frequency (MHz)	1000	3000	6000	10000	12400	18000	26500	40000	50000	67000			
Attenuation (dB/m)	1.137	1.985	2.823	3.680	4.113	4.993	6.115	7.604	8.566	10.027			
Average Power (KW)	0.178	0.102	0.072	0.055	0.049	0.041	0.033	0.027	0.024	0.020			

CFS220

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.50	Silver Plated Copper										
2	Insulating	1.38	LD-PTFE										
3	Outer Conductor	1.54	Silver Plated Copper Ribbon										
4	Shielding	1.95	Silver Plated Copper										
5	Jacket	2.20	PFA										
Specification													
1	Operating Frequency (GHz)	40											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ @ 18 \text{ GHz} ; \leq \pm 5^\circ @ 26.5 \text{ GHz}$											
4	Phase Stability (Temperature)	$< 750 \text{ PPM} @ -55^\circ\text{C} \sim +85^\circ\text{C}$											
5	Amplitude Stability	$\leq \pm 0.1 \text{ dB} @ 18 \text{ GHz}$											
6	Velocity of Propagation	82%											
7	Time Delay (ns/m)	400											
8	Capacitance (pF/m)	> 90											
9	Shielding Effectiveness (dB)	16											
10	Weight (g/m)	8.80											
11	Minimum Bend Radius (mm)	22.00											
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +165$											
Attenuation VS. Frequency													
Frequency (MHz)	100	300	500	1000	3000	6000	10000	12400	18000	26500	40000		
Attenuation (dB/m)	0.199	0.346	0.448	0.637	1.119	1.604	2.098	2.352	2.871	3.540	4.440		
Average Power (KW)	0.204	0.178	0.137	0.097	0.055	0.039	0.029	0.026	0.022	0.017	0.014		

CFS220U

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	0.50	Silver Plated Copper										
2	Insulating	1.38	LD-PTFE										
3	Outer Conductor	1.54	Silver Plated Copper Ribbon										
4	Shielding	1.95	Silver Plated Copper										
5	Jacket	2.20	PFA										
Specification													
1	Operating Frequency (GHz)	67											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ @ 18 \text{ GHz} ; \leq \pm 5^\circ @ 26.5 \text{ GHz}$											
4	Phase Stability (Temperature)	$< 750 \text{ PPM} @ -55^\circ\text{C} \sim +85^\circ\text{C}$											
5	Amplitude Stability	$\leq \pm 0.1 \text{ dB} @ 18 \text{ GHz}$											
6	Velocity of Propagation	82%											
7	Time Delay (ns/m)	400											
8	Capacitance (pF/m)	> 90											
9	Shielding Effectiveness (dB)	16											
10	Weight (g/m)	8.80											
11	Minimum Bend Radius (mm)	22.00											
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +165$											
Attenuation VS. Frequency													
Frequency (MHz)	100	300	500	1000	3000	6000	10000	12400	18000	26500	40000	50000	67000
Attenuation (dB/m)	0.199	0.346	0.448	0.637	1.119	1.604	2.098	2.352	2.871	3.540	4.440	5.028	5.932
Average Power (KW)	0.204	0.178	0.137	0.097	0.055	0.039	0.029	0.026	0.022	0.017	0.014	0.012	0.010

CFS310

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	0.70	Silver Plated Copper									
2	Insulating	1.93	LD-PTFE									
3	Outer Conductor	2.09	Silver Plated Copper Ribbon									
4	Shielding	2.66	Silver Plated Copper									
5	Jacket	3.10	PFA									
Specification												
1	Operating Frequency (GHz)	50										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 3^\circ @ 18 \text{ GHz} ; \leq \pm 5^\circ @ 26.5 \text{ GHz}$										
4	Phase Stability (Temperature)	$< 750 \text{ PPM} @ -55^\circ\text{C} \sim +85^\circ\text{C}$										
5	Amplitude Stability	$\leq \pm 0.1 \text{ dB} @ 18 \text{ GHz}$										
6	Velocity of Propagation	82%										
7	Time Delay (ns/m)	500										
8	Capacitance (pF/m)	> 90										
9	Shielding Effectiveness (dB)	29										
10	Weight (g/m)	15.00										
11	Minimum Bend Radius (mm)	31.00										
12	Temperature Range (°C)	$-55 \sim +165$										
Attenuation VS. Frequency												
Frequency (MHz)	100	300	1000	2000	4000	6000	8000	10000	18000	26500	40000	50000
Attenuation (dB/m)	0.147	0.255	0.468	0.666	0.950	1.171	1.359	1.527	2.079	2.554	3.189	3.601
Average Power (KW)	1.301	0.748	0.407	0.286	0.201	0.163	0.140	0.125	0.092	0.075	0.060	0.053

CFS360

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	0.91	Silver Plated Copper									
2	Insulating	2.50	LD-PTFE									
3	Outer Conductor	2.66	Silver Plated Copper Ribbon									
4	Shielding	3.11	Silver Plated Copper									
5	Jacket	3.60	PFA									
Specification												
1	Operating Frequency (GHz)	40										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 3^\circ @ 18 \text{ GHz} ; \leq \pm 5^\circ @ 26.5 \text{ GHz}$										
4	Phase Stability (Temperature)	$< 750 \text{ PPM} @ -55^\circ\text{C} \sim +85^\circ\text{C}$										
5	Amplitude Stability	$\leq \pm 0.1 \text{ dB} @ 18 \text{ GHz}$										
6	Velocity of Propagation	82%										
7	Voltage Withstand (V,DC)	500										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	33										
10	Single Bend Radius (mm)	18.00										
11	Repeated Bend Radius (mm)	36.00										
12	Temperature Range (°C)	$-55 \sim +165$										
Attenuation VS. Frequency												
Frequency (MHz)	100	300	1000	3000	6000	8000	10000	12400	14000	18000	26500	40000
Attenuation (dB/m)	0.117	0.204	0.375	0.657	0.938	1.089	1.224	1.369	1.460	1.667	2.048	2.557
Average Power (KW)	1.626	0.936	0.509	0.291	0.203	0.176	0.156	0.139	0.131	0.115	0.093	0.075

CFS390T

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



Structure & Dimension			
	Structure	Dimension (mm)	Material
1	Inner Conductor	0.91	Silver Plated Copper
2	Insulating	2.50	LD-PTFE
3	Outer Conductor	2.66	Silver Plated Copper Ribbon
4	Sandwich Layer	2.86	PTFE
5	Shielding	3.39	Silver Plated Copper
6	Jacket	3.90	FEP

Specification		
1	Operating Frequency (GHz)	40
2	Impedance (Ohms)	50
3	Phase Stability	≤±3° @ 18 GHz ; ≤±5° @ 26.5 GHz
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C
5	Amplitude Stability	≤±0.1 dB @ 18 GHz
6	Velocity of Propagation	83%
7	Voltage Withstand (V,DC)	500
8	Shielding Effectiveness (dB)	> 90
9	Weight (g/m)	34
10	Single Bend Radius (mm)	15.60
11	Repeated Bend Radius (mm)	39.00
12	Temperature Range (°C)	-55 ~ +165

Attenuation VS. Frequency														
Frequency (MHz)	100	300	1000	3000	6000	8000	10000	12400	14000	18000	26500	40000		
Attenuation (dB/m)	0.117	0.204	0.375	0.657	0.938	1.089	1.224	1.369	1.460	1.667	2.048	2.557		
Average Power (KW)	1.626	0.936	0.509	0.291	0.203	0.176	0.156	0.139	0.131	0.115	0.093	0.075		

CFS400

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



Structure & Dimension			
	Structure	Dimension (mm)	Material
1	Inner Conductor	1.05	Silver Plated Copper
2	Insulating	2.85	LD-PTFE
3	Outer Conductor	3.05	Silver Plated Copper Ribbon
4	Shielding	3.40	Silver Plated Copper
5	Jacket	4.00	PFA

Specification		
1	Operating Frequency (GHz)	40
2	Impedance (Ohms)	50
3	Phase Stability	≤±3° @ 18 GHz ; ≤±5° @ 26.5 GHz
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C
5	Amplitude Stability	≤±0.1 dB @ 18 GHz
6	Velocity of Propagation	82%
7	Voltage Withstand (V,DC)	1500
8	Shielding Effectiveness (dB)	> 90
9	Weight (g/m)	40
10	Single Bend Radius (mm)	20.00
11	Repeated Bend Radius (mm)	40.00
12	Temperature Range (°C)	-55 ~ +165

Attenuation VS. Frequency														
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000				
Attenuation (dB/m)	0.362	0.513	0.727	0.893	1.033	1.157	1.290	1.560	1.902	2.350				
Average Power (KW)	0.634	0.447	0.315	0.257	0.222	0.198	0.178	0.147	0.121	0.098				

CFS400B

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.05	Silver Plated Copper										
2	Insulating	2.94	LD-PTFE										
3	Outer Conductor	3.13	Silver Plated Copper Ribbon										
4	Shielding	3.53	Silver Plated Copper										
5	Jacket	4.00	PFA										
Specification													
1	Operating Frequency (GHz)	40											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 3^\circ @ 18 \text{ GHz} ; \leq \pm 5^\circ @ 26.5 \text{ GHz}$											
4	Phase Stability (Temperature)	$< 750 \text{ PPM} @ -55^\circ\text{C} \sim +85^\circ\text{C}$											
5	Amplitude Stability	$\leq \pm 0.1 \text{ dB} @ 18 \text{ GHz}$											
6	Velocity of Propagation	82%											
7	Voltage Withstand (V,DC)	850											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	39											
10	Single Bend Radius (mm)	20.00											
11	Repeated Bend Radius (mm)	40.00											
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +165$											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000			
Attenuation (dB/m)	0.278	0.397	0.567	0.704	0.816	0.928	1.290	1.269	1.542	1.975			
Average Power (KW)	0.510	0.357	0.250	0.201	0.177	0.153	0.178	0.112	0.097	0.072			

CFS480

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.40	Silver Plated Copper										
2	Insulating	3.80	LD-PTFE										
3	Outer Conductor	3.95	Silver Plated Copper Ribbon										
4	Shielding	4.35	Silver Plated Copper										
5	Jacket	4.80	PFA										
Specification													
1	Operating Frequency (GHz)	26.5											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 2^\circ @ 10 \text{ GHz} ; \leq \pm 3^\circ @ 18 \text{ GHz}$											
4	Phase Stability (Temperature)	$< 750 \text{ PPM} @ -55^\circ\text{C} \sim +85^\circ\text{C}$											
5	Amplitude Stability	$\leq \pm 0.1 \text{ dB} @ 18 \text{ GHz}$											
6	Velocity of Propagation	83%											
7	Voltage Withstand (V,DC)	1500											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	58											
10	Single Bend Radius (mm)	24.00											
11	Repeated Bend Radius (mm)	48.00											
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +165$											
Attenuation VS. Frequency													
Frequency (MHz)	100	300	500	1000	3000	5000	6000	10000	12400	18000	26500		
Attenuation (dB/m)	0.075	0.131	0.169	0.241	0.421	0.547	0.601	0.783	0.876	1.066	1.308		
Average Power (KW)	2.934	1.689	1.305	0.919	0.525	0.404	0.368	0.282	0.252	0.207	0.169		

CFS480U

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	1.40	Silver Plated Copper									
2	Insulating	3.75	LD-PTFE									
3	Outer Conductor	3.95	Silver Plated Copper Ribbon									
4	Shielding	4.35	Silver Plated Copper									
5	Jacket	4.80	PFA									
Specification												
1	Operating Frequency (GHz)	32										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz ; $\leq \pm 3^\circ$ @ 18 GHz										
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz										
6	Velocity of Propagation	83%										
7	Voltage Withstand (V,DC)	1500										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	62										
10	Single Bend Radius (mm)	24.00										
11	Repeated Bend Radius (mm)	48.00										
12	Temperature Range (°C)	-55 ~ +165										
Attenuation VS. Frequency												
Frequency (MHz)	100	300	500	1000	3000	5000	6000	10000	12400	18000	26500	32000
Attenuation (dB/m)	0.075	0.131	0.169	0.241	0.421	0.547	0.601	0.783	0.876	1.066	1.308	1.447
Average Power (KW)	2.934	1.689	1.305	0.919	0.525	0.404	0.368	0.282	0.252	0.207	0.169	0.153

CFS520

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	1.45	Silver Plated Copper									
2	Insulating	3.99	LD-PTFE									
3	Outer Conductor	4.19	Silver Plated Copper Ribbon									
4	Shielding	4.60	Silver Plated Copper									
5	Jacket	5.20	PFA									
Specification												
1	Operating Frequency (GHz)	26.5										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz ; $\leq \pm 3^\circ$ @ 18 GHz										
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz										
6	Velocity of Propagation	83%										
7	Voltage Withstand (V,DC)	1500										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	67										
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)	100	300	500	1000	2000	3000	6000	10000	12400	18000	26500	
Attenuation (dB/m)	0.073	0.127	0.165	0.234	0.333	0.410	0.585	0.763	0.854	1.038	1.275	
Average Power (KW)	2.934	1.688	1.305	0.919	0.646	0.525	0.368	0.282	0.252	0.207	0.169	

CFS520T

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	1.45	Silver Plated Copper									
2	Insulating	3.99	LD-PTFE									
3	Outer Conductor	4.19	Silver Plated Copper Ribbon									
4	Sandwich Layer	4.41	PTFE									
5	Shielding	4.81	Silver Plated Copper									
6	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)	< 750 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz										
6	Velocity of Propagation	83%										
7	Voltage Withstand (V,DC)	1500										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	67										
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)	100	300	500	1000	4000	5000	6000	10000	12400	18000	26500	
Attenuation (dB/m)	0.076	0.131	0.170	0.241	0.488	0.548	0.602	0.784	0.878	1.067	1.310	
Average Power (KW)	2.934	1.690	1.305	0.920	0.454	0.404	0.368	0.282	0.252	0.208	0.169	

CFS550

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	1.60	Silver Plated Copper									
2	Insulating	4.30	LD-PTFE									
3	Outer Conductor	4.50	Silver Plated Copper Ribbon									
4	Shielding	5.10	Silver Plated Copper									
5	Jacket	5.60	PFA									
Specification												
1	Operating Frequency (GHz)	18										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz ; $\leq \pm 3^\circ$ @ 18 GHz										
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz										
6	Velocity of Propagation	83%										
7	Voltage Withstand (V,DC)	2000										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	93										
10	Single Bend Radius (mm)	28.00										
11	Repeated Bend Radius (mm)	56.00										
12	Temperature Range (°C)	-55 ~ +165										
Attenuation VS. Frequency												
Frequency (MHz)	100	300	500	1000	2000	3000	4000	6000	8000	10000	12400	18000
Attenuation (dB/m)	0.070	0.122	0.157	0.223	0.316	0.388	0.448	0.550	0.636	0.713	0.795	0.961
Average Power (KW)	3.248	1.873	1.450	1.024	0.723	0.589	0.509	0.415	0.359	0.320	0.287	0.237

CFS740

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	2.10	Silver Plated Copper									
2	Insulating	5.70	LD-PTFE									
3	Outer Conductor	5.95	Silver Plated Copper Ribbon									
4	Shielding	6.60	Silver Plated Copper									
5	Jacket	7.40	PFA									
Specification												
1	Operating Frequency (GHz)	18										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz ; $\leq \pm 3^\circ$ @ 18 GHz										
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz										
6	Velocity of Propagation	83%										
7	Voltage Withstand (V,DC)	2500										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	125										
10	Single Bend Radius (mm)	37.00										
11	Repeated Bend Radius (mm)	74.00										
12	Temperature Range (°C)	-55 ~ +165										
Attenuation VS. Frequency												
Frequency (MHz)	100	300	500	1000	2000	3000	4000	6000	8000	10000	12400	18000
Attenuation (dB/m)	0.050	0.086	0.112	0.158	0.224	0.275	0.318	0.391	0.452	0.507	0.566	0.685
Average Power (KW)	5.526	3.186	2.465	1.740	1.227	1.000	0.864	0.704	0.608	0.542	0.486	0.401

CFS760M

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	2.39	Silver Plated Copper (Multi-fiber Stranded)									
2	Insulating	6.25	LD-PTFE									
3	Outer Conductor	6.49	Silver Plated Copper Ribbon									
4	Shielding	7.06	Silver Plated Copper									
5	Jacket	7.65	PFA									
Specification												
1	Operating Frequency (GHz)	18										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz ; $\leq \pm 3^\circ$ @ 18 GHz										
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz										
6	Velocity of Propagation	83%										
7	Voltage Withstand (V,DC)	2500										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	137										
10	Single Bend Radius (mm)	38.00										
11	Repeated Bend Radius (mm)	76.00										
12	Temperature Range (°C)	-55 ~ +165										
Attenuation VS. Frequency												
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	16000	18000			
Attenuation (dB/m)	0.180	0.257	0.367	0.453	0.526	0.592	0.663	0.759	0.809			
Average Power (KW)	1.604	1.126	0.788	0.638	0.549	0.488	0.436	0.381	0.357			

CFS800

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	2.30	Silver Plated Copper									
2	Insulating	6.20	LD-PTFE									
3	Outer Conductor	6.44	Silver Plated Copper Ribbon									
4	Shielding	7.20	Silver Plated Copper									
5	Jacket	7.90	PFA									
Specification												
1	Operating Frequency (GHz)	18										
2	Impedance (Ohms)	50										
3	Phase Stability	≤±2° @ 10 GHz ; ≤±3° @ 18 GHz										
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	≤±0.1 dB @ 18 GHz										
6	Velocity of Propagation	83%										
7	Voltage Withstand (V,DC)	2500										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	130										
10	Single Bend Radius (mm)	39.00										
11	Repeated Bend Radius (mm)	79.00										
12	Temperature Range (°C)	-55 ~ +165										
Attenuation VS. Frequency												
Frequency (MHz)	100	300	500	1000	2000	3000	4000	6000	8000	10000	12400	18000
Attenuation (dB/m)	0.046	0.080	0.104	0.148	0.210	0.260	0.301	0.373	0.434	0.488	0.548	0.670
Average Power (KW)	5.817	3.341	2.579	1.812	1.270	1.030	0.887	0.717	0.616	0.547	0.488	0.399

CFS810

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	2.40	Silver Plated Copper									
2	Insulating	6.36	LD-PTFE									
3	Outer Conductor	6.60	Silver Plated Copper Ribbon									
4	Shielding	7.10	Silver Plated Copper									
5	Jacket	8.10	PFA									
Specification												
1	Operating Frequency (GHz)	18										
2	Impedance (Ohms)	50										
3	Phase Stability	≤±2° @ 10 GHz ; ≤±3° @ 18 GHz										
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	≤±0.1 dB @ 18 GHz										
6	Velocity of Propagation	83%										
7	Voltage Withstand (V,DC)	2500										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	140										
10	Single Bend Radius (mm)	40.00										
11	Repeated Bend Radius (mm)	81.00										
12	Temperature Range (°C)	-55 ~ +165										
Attenuation VS. Frequency												
Frequency (MHz)	100	300	500	1000	2000	3000	4000	6000	8000	10000	12400	18000
Attenuation (dB/m)	0.042	0.074	0.096	0.137	0.195	0.241	0.281	0.348	0.406	0.458	0.515	0.633
Average Power (KW)	6.108	3.503	2.701	1.894	1.324	1.071	0.921	0.742	0.636	0.564	0.502	0.409

CFS830

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	2.44	Silver Plated Copper										
2	Insulating	6.50	LD-PTFE										
3	Outer Conductor	6.90	Silver Plated Copper Ribbon										
4	Shielding	7.65	Silver Plated Copper										
5	Jacket	8.30	PFA										
Specification													
1	Operating Frequency (GHz)	18											
2	Impedance (Ohms)	50											
3	Phase Stability	≤±2° @ 10 GHz ; ≤±3° @ 18 GHz											
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	≤±0.1 dB @ 18 GHz											
6	Velocity of Propagation	83%											
7	Voltage Withstand (V,DC)	2500											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	162											
10	Single Bend Radius (mm)	41.00											
11	Repeated Bend Radius (mm)	83.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	16000	18000				
Attenuation (dB/m)	0.133	0.189	0.271	0.336	0.391	0.441	0.495	0.569	0.606				
Average Power (KW)	1.894	1.326	0.925	0.747	0.641	0.569	0.507	0.442	0.414				

CFS920MS

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	2.39	Silver Plated Copper (Multi-fiber Stranded)										
2	Insulating	6.10	LD-PTFE										
3	Outer Conductor	6.48	Silver Plated Copper Ribbon										
4	Shielding	6.72	Silver Plated Copper										
5	Inner Layer	7.30	PTFE										
6	Jacket	9.15	PUR										
Specification													
1	Operating Frequency (GHz)	18											
2	Impedance (Ohms)	50											
3	Phase Stability	≤±2° @ 10 GHz ; ≤±3° @ 18 GHz											
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	≤±0.1 dB @ 18 GHz											
6	Velocity of Propagation	83%											
7	Voltage Withstand (V,DC)	2000											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	142											
10	Single Bend Radius (mm)	45.80											
11	Repeated Bend Radius (mm)	91.50											
12	Temperature Range (°C)	-55 ~ +85											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12000	14000	16000	18000			
Attenuation (dB/m)	0.167	0.238	0.341	0.421	0.489	0.550	0.606	0.658	0.707	0.753			
Average Power (KW)	5.134	3.602	2.519	2.039	1.754	1.559	1.415	1.304	1.214	1.139			

CFS1000

Flexible, Ultra Low-Loss, High Power
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	3.00	Silver Plated Copper										
2	Insulating	8.24	LD-PTFE										
3	Outer Conductor	8.48	Silver Plated Copper Ribbon										
4	Shielding	9.20	Silver Plated Copper										
5	Jacket	10.00	PFA										
Specification													
1	Operating Frequency (GHz)	13.5											
2	Impedance (Ohms)	50											
3	Phase Stability	≤±2° @ 10 GHz											
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	≤±0.1 dB @ 13.5 GHz											
6	Velocity of Propagation	83%											
7	Voltage Withstand (V,DC)	2900											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	200											
10	Single Bend Radius (mm)	40.00											
11	Repeated Bend Radius (mm)	100.00											
12	Temperature Range (°C)	-55 ~ +85											
Attenuation VS. Frequency													
Frequency (MHz)	100	300	500	1000	2400	3000	6000	8000	10000	12400	13500		
Attenuation (dB/m)	0.037	0.064	0.083	0.120	0.190	0.215	0.314	0.369	0.419	0.474	0.498		
Average Power (KW)	6.956	3.967	3.052	2.125	1.335	1.183	0.808	0.688	0.606	0.535	0.510		

CFS1200

Flexible, Ultra Low-Loss, High Power
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	3.80	Silver Plated Copper (Multi-fiber Stranded)										
2	Insulating	10.40	LD-PTFE										
3	Outer Conductor	\	Silver Plated Copper Ribbon										
4	Shielding	11.35	Silver Plated Copper										
5	Jacket	12.00	PTFE										
			PUR										
Specification													
1	Operating Frequency (GHz)	8											
2	Impedance (Ohms)	50											
3	Phase Stability	≤±2° @ 8 GHz											
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	≤±0.1 dB @ 8 GHz											
6	Velocity of Propagation	83%											
7	Voltage Withstand (V,DC)	4000											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	280											
10	Single Bend Radius (mm)	60.00											
11	Repeated Bend Radius (mm)	110.00											
12	Temperature Range (°C)	-55 ~ +85											
Attenuation VS. Frequency													
Frequency (MHz)	100	300	400	500	1000	1250	2000	3000	4000	6000	8000		
Attenuation (dB/m)	0.030	0.053	0.062	0.069	0.100	0.112	0.144	0.180	0.210	0.263	0.310		
Average Power (KW)	5.510	3.141	2.708	2.412	1.679	1.492	1.161	0.933	0.797	0.636	0.540		