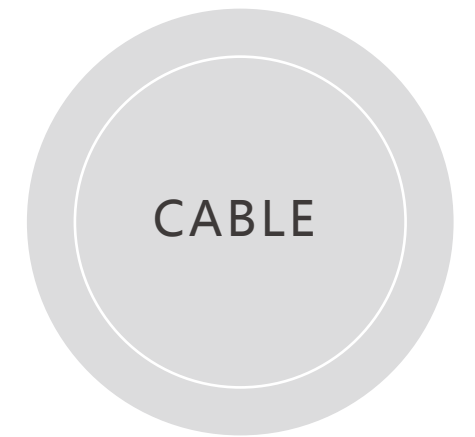
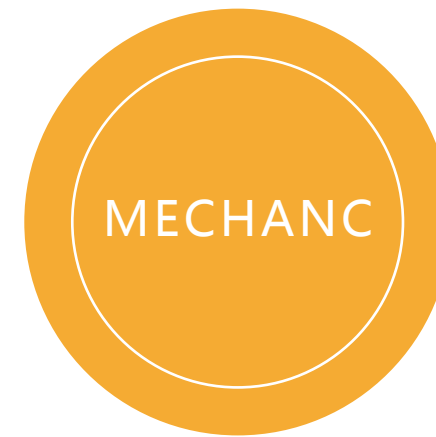




Flexible, Low-Loss,
Phase & Amplitude Stable Coaxial cables

CSA Series



CSA360

Super Flexible, Low-Loss,
Harsh Environment-Resistant Coaxial Cable



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	0.72	Silver Plated Copper (Multi-fiber Stranded)									
2	Insulating	2.05	LD-PTFE									
3	Outer Conductor	2.22	Silver Plated Copper Ribbon									
4	Shielding	2.66	Silver Plated Copper									
5	Jacket	3.60	PUR									
Specification												
1	Operating Frequency (GHz)	40										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 4^\circ$ @ 18 GHz ; $\leq \pm 5^\circ$ @ 26.5 GHz ; $\leq \pm 8^\circ$ @ 40 GHz										
4	Phase Stability (Temperature)	< 1300 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)	500										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	30										
10	Single Bend Radius (mm)	18.00										
11	Reapted Bend Radius (mm)	36.00										
12	Temperature Range (°C)	-55 ~ +85										
Attenuation VS. Frequency VS. Power												
Frequency (MHz)	300	500	1000	3000	6000	8000	10000	12400	16000	18000	26500	40000
Attenuation (dB/m)	0.280	0.363	0.519	0.921	1.335	1.560	1.764	1.987	2.291	2.449	3.055	3.888
Average Power (KW)	0.220	0.169	0.119	0.067	0.046	0.039	0.035	0.031	0.027	0.025	0.020	0.016

CSA500

Super Flexible, Low-Loss,
Harsh Environment-Resistant Coaxial Cable



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	1.02	Silver Plated Copper (Multi-fiber Stranded)									
2	Insulating	3.00	LD-PTFE									
3	Outer Conductor	3.20	Silver Plated Copper Ribbon									
4	Shielding	3.78	Silver Plated Copper									
5	Jacket	5.00	PUR									
Specification												
1	Operating Frequency (GHz)	26.5										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 4^\circ$ @ 18 GHz ; $\leq \pm 5^\circ$ @ 26.5 GHz										
4	Phase Stability (Temperature)	< 1300 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)	50										
10	Single Bend Radius (mm)	25.00										
11	Reapted Bend Radius (mm)	50.00										
12	Temperature Range (°C)	-55 ~ +85										
Attenuation VS. Frequency VS. Power												
Frequency (MHz)	300	500	1000	2000	3000	4000	6000	8000	10000	12400	18000	26500
Attenuation (dB/m)	0.205	0.267	0.385	0.559	0.698	0.820	1.032	1.219	1.390	1.579	1.980	2.521
Average Power (KW)	0.280	0.215	0.149	0.103	0.082	0.070	0.055	0.047	0.041	0.036	0.029	0.023

CSA600

Super Flexible, Low-Loss,
Harsh Environment-Resistant Coaxial Cable



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	1.44	Silver Plated Copper (Multi-fiber Stranded)									
2	Insulating	4.25	LD-PTFE									
3	Outer Conductor	4.45	Silver Plated Copper Ribbon									
4	Shielding	4.90	Silver Plated Copper									
5	Jacket	5.90	PUR									
Specification												
1	Operating Frequency (GHz)	26.5										
2	Impedance (Ohms)	50										
3	Phase Stability	≤±4° @ 18 GHz ; ≤±5° @ 26.5 GHz										
4	Phase Stability (Temperature)	< 1300 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	≤±0.1 dB @ 18 GHz										
6	Velocity of Propagation	76%										
7	Voltage Withstand (V,DC)	1700										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	82										
10	Single Bend Radius (mm)	30.00										
11	Reapted Bend Radius (mm)	60.00										
12	Temperature Range (°C)	-55 ~ +85										
Attenuation VS. Frequency VS. Power												
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500			
Attenuation (dB/m)	0.287	0.412	0.593	0.736	0.860	0.971	1.092	1.343	1.672			
Average Power (KW)	0.175	0.122	0.085	0.068	0.059	0.052	0.046	0.037	0.030			

CSA800

Super Flexible, Low-Loss,
Harsh Environment-Resistant Coaxial Cable



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	1.88	Silver Plated Copper (Multi-fiber Stranded)									
2	Insulating	5.50	LD-PTFE									
3	Outer Conductor	5.74	Silver Plated Copper Ribbon									
4	Shielding	6.31	Silver Plated Copper									
5	Jacket	8.00	PUR									
Specification												
1	Operating Frequency (GHz)	18										
2	Impedance (Ohms)	50										
3	Phase Stability	≤±4° @ 18 GHz										
4	Phase Stability (Temperature)	< 1300 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	≤±0.1 dB @ 18 GHz										
6	Velocity of Propagation	76%										
7	Voltage Withstand (V,DC)	1700										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	130										
10	Single Bend Radius (mm)	40.00										
11	Reapted Bend Radius (mm)	80.00										
12	Temperature Range (°C)	-55 ~ +85										
Attenuation VS. Frequency VS. Power												
Frequency (MHz)	300	500	1000	2000	3000	4000	6000	8000	10000	12400	18000	
Attenuation (dB/m)	0.095	0.125	0.182	0.267	0.338	0.399	0.509	0.607	0.698	0.800	1.019	
Average Power (KW)	0.626	0.477	0.327	0.222	0.176	0.149	0.117	0.098	0.085	0.074	0.058	