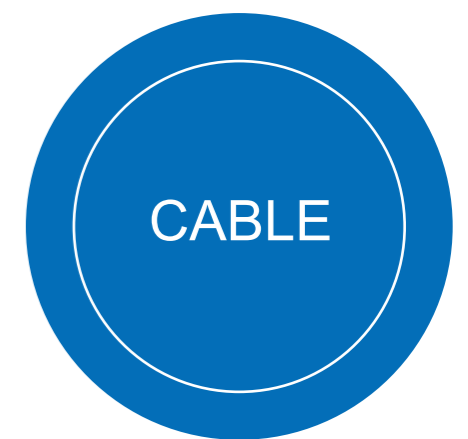
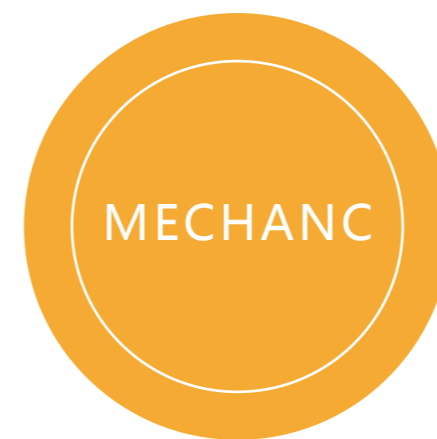




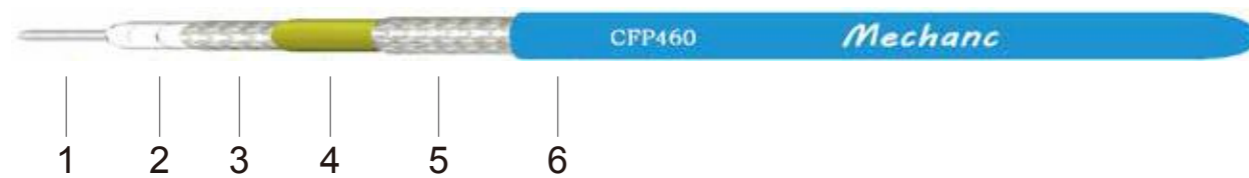
Flexible, Low-Loss, Resistance to High Power,
Phase & Amplitude Stable Coaxial Cables

CFP Series



CFP460

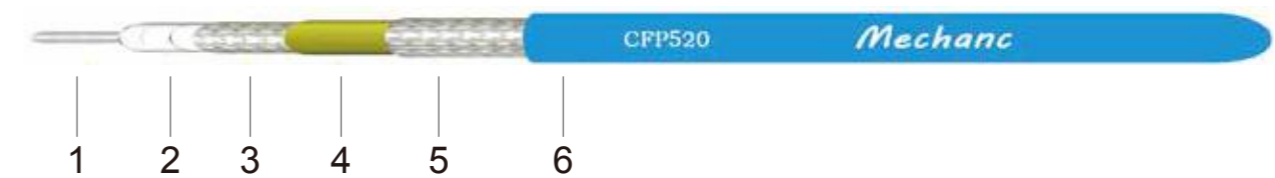
Flexible, Low-Loss, Resistance to High Power,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.02	Silver Plated Copper										
2	Insulating	3.07	LD-PTFE										
3	Outer Conductor	3.27	Silver Plated Copper Ribbon										
4	Sandwich Layer	3.43	Aluminum Foil (High temperature)										
5	Shielding	3.94	Silver Plated Copper										
6	Jacket	4.60	FEP										
Specification													
1	Operating Frequency (GHz)	18											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 5^\circ$ @ 18 GHz											
4	Phase Stability (Temperature)	< 1400 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	$\leq \pm 0.15$ dB @ 18 GHz											
6	Velocity of Propagation	76%											
7	Voltage Withstand (V,DC)	1000											
8	Shielding Effectiveness (dB)	> 100											
9	Weight (g/m)	52											
10	Single Bend Radius (mm)	23.00											
11	Repeated Bend Radius (mm)	46.00											
12	Temperature Range (°C)	-55 ~ +200											
Attenuation VS. Frequency													
Frequency (MHz)	100	300	500	1000	2000	3000	6000	8000	10000	12400	18000		
Attenuation (dB/m)	0.111	0.192	0.249	0.354	0.504	0.620	0.888	1.032	1.160	1.299	1.584		
Average Power (KW)	1.821	1.047	0.809	0.569	0.400	0.325	0.227	0.195	0.174	0.155	0.127		

CFP520

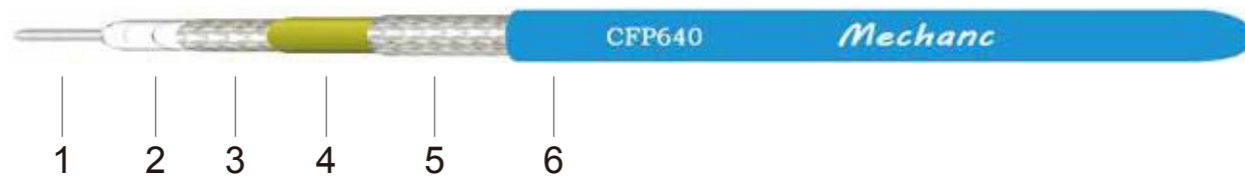
Flexible, Low-Loss, Resistance to High Power,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.29	Silver Plated Copper										
2	Insulating	3.91	LD-PTFE										
3	Outer Conductor	4.15	Silver Plated Copper Ribbon										
4	Sandwich Layer	4.28	Aluminum Foil (High temperature)										
5	Shielding	4.79	Silver Plated Copper										
6	Jacket	5.20	FEP										
Specification													
1	Operating Frequency (GHz)	18											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 5^\circ$ @ 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)	> 100											
9	Weight (g/m)	68											
10	Single Bend Radius (mm)	26.00											
11	Repeated Bend Radius (mm)	52.00											
12	Temperature Range (°C)	-55 ~ +200											
Attenuation VS. Frequency													
Frequency (MHz)	300	500	1000	2000	3000	6000	8000	10000	12400	13500	16000	18000	
Attenuation (dB/m)	0.150	0.194	0.277	0.395	0.487	0.699	0.813	0.915	1.027	1.075	1.178	1.255	
Average Power (KW)	1.383	1.068	0.750	0.526	0.426	0.297	0.255	0.227	0.202	0.193	0.176	0.165	

CFP640

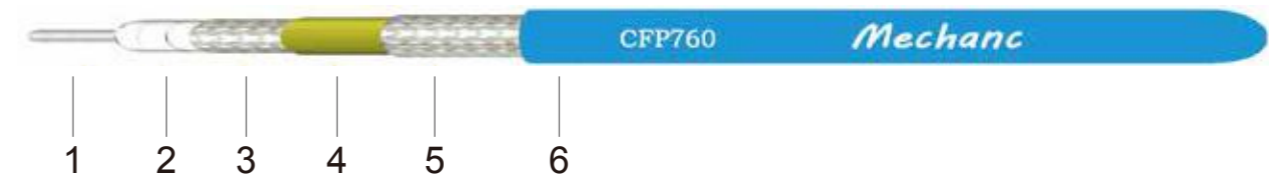
Flexible, Low-Loss, Resistance to High Power,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	1.57	Silver Plated Copper										
2	Insulating	4.72	LD-PTFE										
3	Outer Conductor	4.96	Silver Plated Copper Ribbon										
4	Sandwich Layer	5.10	Aluminum Foil (High temperature)										
5	Shielding	5.66	Silver Plated Copper										
6	Jacket	6.35	FEP										
Specification													
1	Operating Frequency (GHz)	18											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 5^\circ$ @ 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)	2000											
8	Shielding Effectiveness (dB)	> 100											
9	Weight (g/m)	92											
10	Single Bend Radius (mm)	31.00											
11	Repeated Bend Radius (mm)	63.00											
12	Temperature Range (°C)	-55 ~ +200											
Attenuation VS. Frequency													
Frequency (MHz)	100	300	500	1000	2000	3000	6000	8000	10000	12400	16000	18000	
Attenuation (dB/m)	0.069	0.120	0.156	0.222	0.317	0.392	0.564	0.658	0.742	0.834	0.958	1.022	
Average Power (KW)	2.055	1.885	1.454	1.020	0.713	0.578	0.401	0.344	0.305	0.271	0.236	0.221	

CFP760

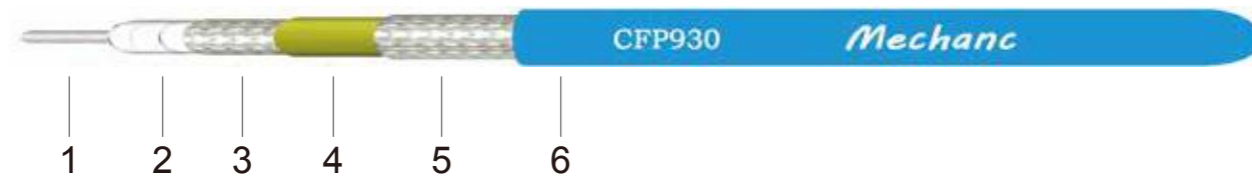
Flexible, Low-Loss, Resistance to High Power,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	2.06	Silver Plated Copper										
2	Insulating	5.89	LD-PTFE										
3	Outer Conductor	6.05	Silver Plated Copper Ribbon										
4	Sandwich Layer	6.17	Aluminum Foil (High temperature)										
5	Shielding	6.81	Silver Plated Copper										
6	Jacket	7.62	FEP										
Specification													
1	Operating Frequency (GHz)	18											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 5^\circ$ @ 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	78%											
7	Voltage Withstand (V,DC)	2000											
8	Shielding Effectiveness (dB)	> 100											
9	Weight (g/m)	140											
10	Single Bend Radius (mm)	38.00											
11	Repeated Bend Radius (mm)	76.00											
12	Temperature Range (°C)	-55 ~ +200											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	16000	18000				
Attenuation (dB/m)	0.176	0.252	0.363	0.451	0.527	0.596	0.671	0.773	0.826				
Average Power (KW)	1.530	1.098	0.762	0.613	0.524	0.464	0.412	0.358	0.335				

CFP930

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



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	2.44	Silver Plated Copper									
2	Insulating	7.24	LD-PTFE									
3	Outer Conductor	7.48	Silver Plated Copper Ribbon									
4	Sandwich Layer	7.61	Aluminum Foil (High temperature)									
5	Shielding	8.19	Silver Plated Copper									
6	Jacket	9.30	FEP									
Specification												
1	Operating Frequency (GHz)	10										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 3^\circ$ @ 10 GHz										
4	Phase Stability (Temperature)	< 1400 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 10 GHz										
6	Velocity of Propagation	76%										
7	Voltage Withstand (V,DC)	2500										
8	Shielding Effectiveness (dB)	> 90										
9	Weight (g/m)	200										
10	Single Bend Radius (mm)	51.00										
11	Repeated Bend Radius (mm)	100.00										
12	Temperature Range (°C)	-55 ~ +200										
Attenuation VS. Frequency												
Frequency (MHz)	100	300	500	1000	1250	1500	2000	3000	4000	6000	8000	10000
Attenuation (dB/m)	0.045	0.079	0.103	0.147	0.165	0.182	0.212	0.262	0.306	0.382	0.447	0.506
Average Power (KW)	5.990	3.420	2.630	1.840	1.640	1.490	1.280	1.030	0.880	0.710	0.605	0.534

CFP1200

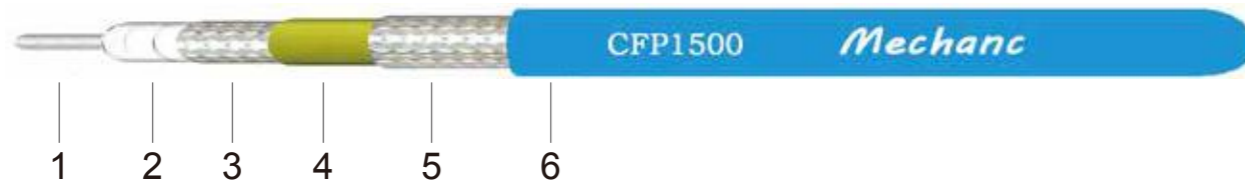
Flexible, Low-Loss, Resistance to High Power,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension												
	Structure	Dimension (mm)	Material									
1	Inner Conductor	3.50	Silver Plated Copper									
2	Insulating	9.90	LD-PTFE									
3	Outer Conductor	10.17	Silver Plated Copper Ribbon									
4	Sandwich Layer	10.30	Aluminum Foil (High temperature)									
5	Shielding	11.02	Silver Plated Copper									
6	Jacket	12.00	FEP									
Specification												
1	Operating Frequency (GHz)	8										
2	Impedance (Ohms)	50										
3	Phase Stability	$\leq \pm 2^\circ$ @ 8 GHz										
4	Phase Stability (Temperature)	< 1400 PPM @ -55°C ~ +85°C										
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 8 GHz										
6	Velocity of Propagation	76%										
7	Voltage Withstand (V,DC)	3000										
8	Shielding Effectiveness (dB)	> 100										
9	Weight (g/m)	310										
10	Single Bend Radius (mm)	60.00										
11	Repeated Bend Radius (mm)	120.00										
12	Temperature Range (°C)	-55 ~ +200										
Attenuation VS. Frequency												
Frequency (MHz)	1000	2000	3000	4000	5000	6000	7000	8000				
Attenuation (dB/m)	0.130	0.187	0.233	0.272	0.307	0.339	0.370	0.398				
Average Power (KW)	2.590	1.797	1.446	1.238	1.096	0.991	0.910	0.844				

CFP1500

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



Structure & Dimension			
	Structure	Dimension (mm)	Material
1	Inner Conductor	4.40	Silver Plated Copper
2	Insulating	12.50	LD-PTFE
3	Outer Conductor	12.82	Silver Plated Copper Ribbon
4	Sandwich Layer	12.95	Aluminum Foil (High temperature)
5	Shielding	13.67	Silver Plated Copper
6	Jacket	14.70	FEP

Specification		
1	Operating Frequency (GHz)	6
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 2^\circ$ @ 6 GHz
4	Phase Stability (Temperature)	< 1400 PPM @ -55°C ~ +85°C
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 6 GHz
6	Velocity of Propagation	76%
7	Voltage Withstand (V,DC)	4000
8	Shielding Effectiveness (dB)	> 100
9	Weight (g/m)	400
10	Single Bend Radius (mm)	76.00
11	Repeated Bend Radius (mm)	150.00
12	Temperature Range (°C)	-55 ~ +200

Attenuation VS. Frequency										
Frequency (MHz)	100	300	500	800	1000	2000	3000	5000	6000	
Attenuation (dB/m)	0.031	0.054	0.071	0.091	0.102	0.148	0.184	0.245	0.271	
Average Power (KW)	13.440	7.650	5.870	4.590	4.080	2.818	2.260	1.703	1.537	

