MECHANC

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

CFT Series

CFT150

Flexible, Thin, Low-Loss, Long Bending Life,

Suitable for Precision Testing, Phase & Amplitude Stable Coaxial Cable

MECHANC

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	Sandwich layer	1.20	PTFE
5	Shielding	1.45	Silver Plated Copper
6	Jacket	1.85	FEP

Specification

1	Operating Frequency(GHz)	110
2	Impedance(Ohms)	50
3	Phase Stability	≤±5° @18GHz; ≤±7° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55°C～+85°C
5	Amplitude Stability	≤±0.15dB@18GHz
6	Velocity of Propagation	80%
7	Voltage Withstand (V,DC)	400
8	Shielding Effectiveness(dB)	>90
9	Weight(g/m)	8
10	Single Bend Radius(mm)	10.00
11	Repeated Bend Radius(mm)	20.00
12	Temperature Range(°C)	-55～+125

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	3000	6000	8000	18000	26500	40000	67000	75000	110000
Attenuation (dB/m)	1.137	1.616	1.985	2.829	3.280	4.993	6.115	7.604	10.027	10.659	13.143
Average Power (KW)	0.039	0.027	0.022	0.016	0.014	0.009	0.007	0.006	0.004	0.004	0.003

MECHANC

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CFT150A39

Flexible, Thin, Low-Loss, Long Bending Life,
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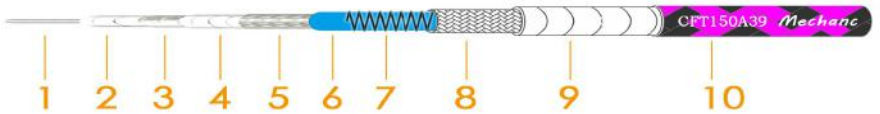
MECHANC



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	Sandwich layer	1.20	PTFE
5	Shielding	1.45	Silver Plated Copper
6	Jacket	1.85	FEP
7～9	Armor Layer	3.29	Fusion of Multiple Materials
10	Armor Jacket	3.84	Bicolor PTFE Weaving

Specification

1	Operating Frequency(GHz)	110
2	Impedance(Ohms)	50
3	Phase Stability	≤±10° @110GHz
4	Phase Stability (Temperature)	＜750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@67GHz
6	Velocity of Propagation	81%
7	Voltage Withstand (V,DC)	500
8	Shielding Effectiveness(dB)	＞90
9	Single Bend Radius(mm)	30.00
10	Repeated Bend Radius(mm)	50.00
11	Life Cycle	500000
12	Temperature Range(℃)	-55～+125

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	3000	6000	8000	18000	26500	40000	67000	75000	110000
Attenuation (dB/m)	1.137	1.616	1.985	2.829	3.280	4.993	6.115	7.604	10.027	10.659	13.143
Average Power (KW)	0.039	0.027	0.022	0.016	0.014	0.009	0.007	0.006	0.004	0.004	0.003

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CFT240

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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	Sandwich layer	1.82	PTFE
5	Shielding	2.17	Silver Plated Copper
6	Jacket	2.40	FEP

Specification

1	Operating Frequency(GHz)	67
2	Impedance(Ohms)	50
3	Phase Stability	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
6	Velocity of Propagation	81%
7	Voltage Withstand (V,DC)	500
8	Shielding Effectiveness(dB)	>90
9	Weight(g/m)	16
10	Single Bend Radius(mm)	12.00
11	Repeated Bend Radius(mm)	24.00
12	Temperature Range(℃)	-55~+165

Attenuation VS. Frequency VS. Power

Frequency (MHz)	300	500	1000	3000	6000	10000	12400	18000	26500	35000	40000	50000	67000
Attenuation (dB/m)	0.346	0.448	0.637	1.119	1.604	2.098	2.352	2.871	3.540	4.124	4.440	5.028	5.932
Average Power (KW)	0.178	0.137	0.097	0.055	0.038	0.029	0.026	0.021	0.017	0.015	0.014	0.012	0.010

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CFT240A47

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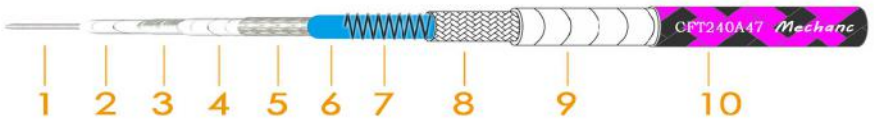

Structure & Dimension

	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	Sandwich layer	1.82	PTFE
5	Shielding	2.17	Silver Plated Copper
6	Jacket	2.40	FEP
7～9	Armor Layer	4.20	Fusion of Multiple Materials
10	Armor Jacket	4.70	Bicolor PTFE Weaving

Specification

1	Operating Frequency(GHz)	67
2	Impedance(Ohms)	50
3	Phase Stability	≤±7° @67GHz
4	Phase Stability (Temperature	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.05dB@67GHz
6	Velocity of Propagation	81%
7	Voltage Withstand (V,DC)	500
8	Shielding Effectiveness(dB)	>90
9	Single Bend Radius(mm)	30.00
10	Repeated Bend Radius(mm)	50.00
11	Life Cycle	100000
12	Temperature Range(℃)	-55～+165

Attenuation VS. Frequency VS. Power

Frequency (MHz)	300	500	1000	3000	6000	10000	12400	18000	26500	35000	40000	50000	67000
Attenuation (dB/m)	0.346	0.448	0.637	1.119	1.604	2.098	2.352	2.871	3.540	4.124	4.440	5.028	5.932
Average Power (KW)	0.178	0.137	0.097	0.055	0.038	0.029	0.026	0.021	0.017	0.015	0.014	0.012	0.010

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CFT360

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Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.72	Silver Plated Copper
2	Insulating	2.21	LD-PTFE
3	Outer Conductor	2.38	Silver Plated Copper Ribbon
4	Sandwich layer	2.68	PTFE
5	Shielding	3.14	Silver Plated Copper
6	Jacket	3.60	FEP

Specification

1	Operating Frequency(GHz)	50
2	Impedance(Ohms)	50
3	Phase Stability	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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	Repeated Bend Radius(mm)	36.00
12	Temperature Range(℃)	-55~+165

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000	50000
Attenuation (dB/m)	0.438	0.622	0.885	1.088	1.261	1.415	1.581	1.918	2.348	2.917	3.285
Average Power (KW)	0.506	0.356	0.250	0.204	0.176	0.157	0.140	0.116	0.094	0.076	0.067

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CFT360A61

Flexible, Low-Loss, Long Bending Life,

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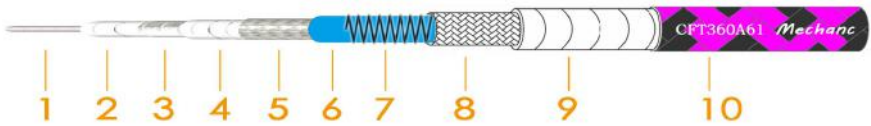

Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.72	Silver Plated Copper
2	Insulating	2.21	LD-PTFE
3	Outer Conductor	2.38	Silver Plated Copper Ribbon
4	Sandwich layer	2.68	PTFE
5	Shielding	3.14	Silver Plated Copper
6	Jacket	3.60	FEP
7～9	Armor Layer	5.45	Fusion of Multiple Materials
10	Armor Jacket	6.10	Bicolor PTFE Weaving

Specification

1	Operating Frequency(GHz)	50
2	Impedance(Ohms)	50
3	Phase Stability	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.05dB@67GHz
6	Velocity of Propagation	76%
7	Voltage Withstand (V,DC)	500
8	Shielding Effectiveness(dB)	>90
9	Single Bend Radius(mm)	30.00
10	Repeated Bend Radius(mm)	60.00
11	Life Cycle	100000
12	Temperature Range(℃)	-55～+165

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000	50000
Attenuation (dB/m)	0.438	0.622	0.885	1.088	1.261	1.415	1.581	1.918	2.348	2.917	3.285
Average Power (KW)	0.506	0.356	0.250	0.204	0.176	0.157	0.140	0.116	0.094	0.076	0.067

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CFT420

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Suitable for Precision Testing, Phase & Amplitude Stable Coaxial Cable

Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.02	Silver Plated Copper (Multi-fiber Stranded)
2	Insulating	2.70	LD-PTFE
3	Outer Conductor	2.95	Silver Plated Copper Ribbon
4	Sandwich layer	3.20	PTFE
5	Shielding	3.62	Silver Plated Copper
6	Jacket	4.20	FEP

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Phase Stability	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
6	Velocity of Propagation	81%
7	Voltage Withstand (V,DC)	500
8	Shielding Effectiveness(dB)	>90
9	Weight(g/m)	40
10	Single Bend Radius(mm)	21.00
11	Repeated Bend Radius(mm)	42.00
12	Temperature Range(℃)	-55～+165

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/m)	0.394	0.560	0.797	0.981	1.138	1.277	1.427	1.733	2.123	2.641
Average Power (KW)	0.567	0.399	0.280	0.228	0.196	0.175	0.157	0.129	0.105	0.085

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CFT420A70

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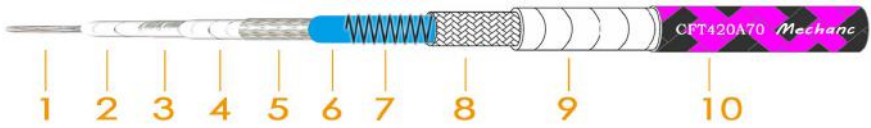

Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.02	Silver Plated Copper(Multi-fiber Stranded)
2	Insulating	2.70	LD-PTFE
3	Outer Conductor	2.95	Silver Plated Copper Ribbon
4	Sandwich layer	3.20	PTFE
5	Shielding	3.62	Silver Plated Copper
6	Jacket	4.20	FEP
7～9	Armor Layer	6.40	Fusion of Multiple Materials
10	Armor Jacket	7.00	Bicolor PTFE Weaving

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Phase Stability	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.05dB@40GHz
6	Velocity of Propagation	81%
7	Voltage Withstand (V,DC)	500
8	Shielding Effectiveness(dB)	>90
9	Single Bend Radius(mm)	40.00
10	Repeated Bend Radius(mm)	70.00
11	Life Cycle	10万
12	Temperature Range(℃)	-55～+165

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/m)	0.394	0.560	0.797	0.981	1.138	1.277	1.427	1.733	2.123	2.641
Average Power (KW)	0.567	0.399	0.280	0.228	0.196	0.175	0.157	0.129	0.105	0.085

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CFT500

Flexible, Low-Loss, Long Bending Life,

Suitable for Precision Testing, Phase & Amplitude Stable Coaxial Cable

Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.44	Silver Plated Copper (Multi-fiber Stranded)
2	Insulating	3.80	LD-PTFE
3	Outer Conductor	4.00	Silver Plated Copper Ribbon
4	Sandwich layer	4.32	PTFE
5	Shielding	4.63	Silver Plated Copper
6	Jacket	5.05	PFA

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Phase Stability	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
6	Velocity of Propagation	82%
7	Voltage Withstand (V,DC)	2000
8	Shielding Effectiveness(dB)	>90
9	Weight(g/m)	60
10	Single Bend Radius(mm)	25.00
11	Repeated Bend Radius(mm)	50.00
12	Temperature Range(℃)	-55～+165

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500
Attenuation (dB/m)	0.271	0.389	0.560	0.696	0.813	0.919	1.035	1.274	1.588
Average Power (KW)	0.821	0.573	0.397	0.320	0.274	0.242	0.215	0.175	0.140

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CFT500A76

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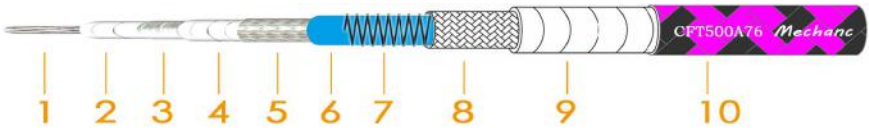

Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.44	Silver Plated Copper(Multi-fiber Stranded)
2	Insulating	3.80	LD-PTFE
3	Outer Conductor	4.00	Silver Plated Copper Ribbon
4	Sandwich layer	4.32	PTFE
5	Shielding	4.63	Silver Plated Copper
6	Jacket	5.05	PFA
7～9	Armor Layer	7.00	Fusion of Multiple Materials
10	Armor Jacket	7.55	Bicolor PTFE Weaving

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Phase Stability	≤±5° @26.5GHz
4	Phase Stability (Temperature)	＜750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.05dB@26.5GHz
6	Velocity of Propagation	82%
7	Voltage Withstand (V,DC)	2000
8	Shielding Effectiveness(dB)	＞90
9	Single Bend Radius(mm)	50.00
10	Repeated Bend Radius(mm)	80.00
11	Life Cycle	600000
12	Temperature Range(℃)	-55～+165

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500
Attenuation (dB/m)	0.271	0.389	0.560	0.696	0.813	0.919	1.035	1.274	1.588
Average Power (KW)	0.821	0.573	0.397	0.320	0.274	0.242	0.215	0.175	0.140

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CFT500S

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Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.44	Silver Plated Copper (Multi-fiber Stranded)
2	Insulating	3.80	LD-PTFE
3	Outer Conductor	4.00	Silver Plated Copper Ribbon
4	Sandwich layer	4.32	PTFE
5	Shielding	4.63	Silver Plated Copper
6	Jacket	5.90	PUR

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Phase Stability	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-45℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
6	Velocity of Propagation	82%
7	Voltage Withstand (V,DC)	2000
8	Shielding Effectiveness(dB)	>90
9	Weight(g/m)	80
10	Single Bend Radius(mm)	25.00
11	Repeated Bend Radius(mm)	50.00
12	Temperature Range(℃)	-45～+85

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500
Attenuation (dB/m)	0.271	0.389	0.560	0.696	0.813	0.919	1.035	1.274	1.588
Average Power (KW)	0.411	0.287	0.199	0.160	0.137	0.121	0.108	0.088	0.070

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MECHANC

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

CFS Series

CFS090

Flexible, Thin, Ultra Low-Loss,

Phase & Amplitude Stable Coaxial Cable

MECHANC

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	≤±2° @5.8GHz
4	Phase Stability (Temperature)	≤800PPM@-45℃～+85℃
5	Amplitude Stability	≤±0.1dB@5.8GHz
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(℃)	-55～+165

Attenuation VS. Frequency

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

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CFS120

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MECHANC

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	≤±2° @5.8GHz
4	Phase Stability (Temperature	≤800PPM@-45℃～+85℃
5	Amplitude Stability	≤±0.1dB@5.8GHz
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(℃)	-55～+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

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CFS150

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Phase & Amplitude Stable Coaxial Cable

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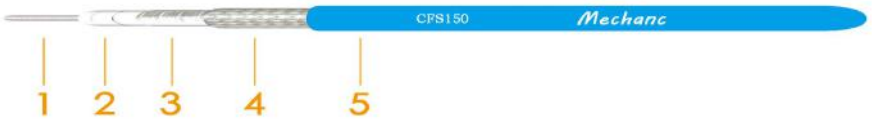

Structure & Dimension

	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	≤±2° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature	≤1200PPM@-45°C～+85°C
5	Amplitude Stability	≤±0.1dB@18GHz
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 VS. Power

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

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CFS150B

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

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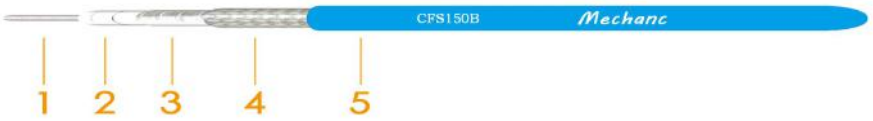

Structure & Dimension

	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	≤±2° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature	≤800PPM@-45℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-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

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CFS150U

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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	≤±2° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	≤800PPM@-45℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+125

Attenuation VS. Frequency VS. Power

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

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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	≤±2° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	≤800PPM@-45℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+125

Attenuation VS. Frequency VS. Power

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

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CFS220

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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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
6	Velocity of Propagation	82%
7	Voltage Withstand(V,DC)	400
8	Shielding Effectiveness(dB)	>90
9	Weight(g/m)	16
10	Single Bend Radius (mm)	8.80
11	Repeated Bend Radius(mm)	22.00
12	Temperature Range(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
6	Velocity of Propagation	82%
7	Voltage Withstand(V,DC)	400
8	Shielding Effectiveness(dB)	>90
9	Weight(g/m)	16
10	Single Bend Radius (mm)	8.80
11	Repeated Bend Radius(mm)	22.00
12	Temperature Range(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFS310

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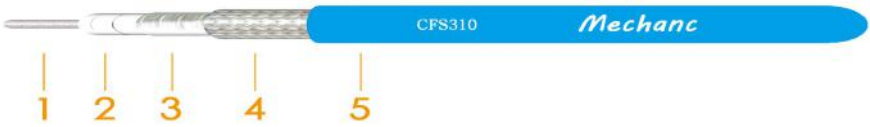

Structure & Dimension

	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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
6	Velocity of Propagation	82%
7	Voltage Withstand(V,DC)	500
8	Shielding Effectiveness(dB)	>90
9	Weight(g/m)	29
10	Single Bend Radius (mm)	15.00
11	Repeated Bend Radius(mm)	31.00
12	Temperature Range(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+165

Attenuation VS. Frequency VS. Power

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

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CFS390T

Flexible, Ultra Low-Loss,

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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° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+165

Attenuation VS. Frequency VS. Power

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

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CFS400

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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° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFS400B

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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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+165

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	18000	26500	40000
Attenuation (dB/m)	0.278	0.397	0.567	0.704	0.816	0.928	1.269	1.542	1.975
Average Power (KW)	0.510	0.357	0.250	0.201	0.177	0.153	0.112	0.097	0.072

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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	≤±2° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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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	≤±2° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+165

Attenuation VS. Frequency VS. Power

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

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CFS520

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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	≤±2° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+165

Attenuation VS. Frequency VS. Power

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

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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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFS550

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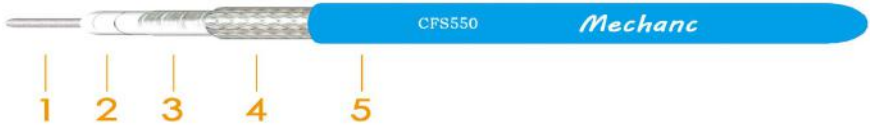

Structure & Dimension

	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	≤±2° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+165

Attenuation VS. Frequency VS. Power

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

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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	≤±2° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFS760M

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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	≤±2° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFS800

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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° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFS810

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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° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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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° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFS920MS

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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° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<750PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+85

Attenuation VS. Frequency VS. Power

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

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CFS1000

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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° @10GHz
4	Phase Stability (Temperature)	＜750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@13.5GHz
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(℃)	-55～+85

Attenuation VS. Frequency VS. Power

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

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CFS1200

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Phase & Amplitude Stable Coaxial Cable

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Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	3.80	Silver Plated Copper
2	Insulating	10.40	LD-PTFE
3	Outer Conductor	\	Silver Plated Copper Ribbon
4	Shielding	11.35	Silver Plated Copper
5	Jacket	12.00	FEP

Specification

1	Operating Frequency(GHz)	8
2	Impedance(Ohms)	50
3	Phase Stability	≤±2° @8GHz
4	Phase Stability (Temperature)	<750PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@8GHz
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(℃)	-55～+85

Attenuation VS. Frequency VS. Power

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

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CFA Series

CFA230

Flexible, Low-Loss,

Phase & Amplitude Stable Coaxial Cable

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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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<1400PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFA370

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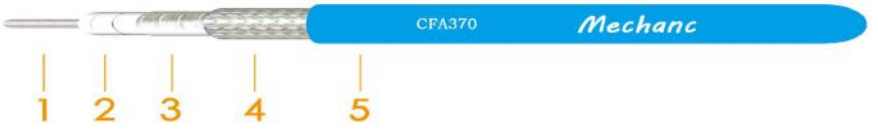

Structure & Dimension

	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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<1400PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFA520

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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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<1400PPM@-55°C～+85°C
5	Amplitude Stability	≤±0.1dB@18GHz
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 VS. Power

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

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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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<1400PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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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° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<1400PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFA930

Flexible, Low-Loss,

Phase & Amplitude Stable Coaxial Cable

MECHANC

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° @10GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@10GHz
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(℃)	-55～+165

Attenuation VS. Frequency VS. Power

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

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CFP Series

CFP460

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

MECHANC

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	≤±5° @18GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.15dB@18GHz
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(℃)	-55～+200

Attenuation VS. Frequency VS. Power

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

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CFP520

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MECHANC

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	≤±5° @18GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+200

Attenuation VS. Frequency VS. Power

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

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CFP640

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

MECHANC

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	≤±5° @18GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+200

Attenuation VS. Frequency VS. Power

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

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CFP760

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

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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	≤±5° @18GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+200

Attenuation VS. Frequency VS. Power

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

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CFP930

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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	≤±3° @10GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@10GHz
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(℃)	-55～+200

Attenuation VS. Frequency VS. Power

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

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CFP1200

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Phase & Amplitude Stable Coaxial Cable

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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	≤±2° @8GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@8GHz
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(℃)	-55～+200

Attenuation VS. Frequency VS. Power

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

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CFP1500

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

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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	≤±2° @6GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@6GHz
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(℃)	-55～+200

Attenuation VS. Frequency VS. Power

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

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MECHANC

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

CFA Series

CFA230

Flexible, Low-Loss,

Phase & Amplitude Stable Coaxial Cable

MECHANC

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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<1400PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFA370

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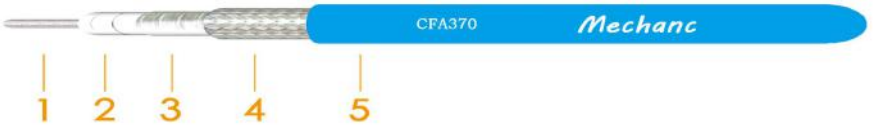

Structure & Dimension

	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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<1400PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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CFA520

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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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<1400PPM@-55°C～+85°C
5	Amplitude Stability	≤±0.1dB@18GHz
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 VS. Power

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

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CFA520M

Flexible Better, Low-Loss,

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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	≤±3° @18GHz; ≤±5° @26.5GHz
4	Phase Stability (Temperature)	<1400PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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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° @10GHz; ≤±3° @18GHz
4	Phase Stability (Temperature)	<1400PPM@-55℃~+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55~+165

Attenuation VS. Frequency VS. Power

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

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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° @10GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@10GHz
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(℃)	-55～+165

Attenuation VS. Frequency VS. Power

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

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CFE Series

CFE360

Flexible, Low-Loss,
Economy Coaxial Cable

MECHANC

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	≤±9° @18GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+125

Attenuation VS. Frequency VS. Power

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

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CFE500

Flexible, Low-Loss,
Economy Coaxial Cable

MECHANC

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	≤±9° @18GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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 (℃)	-55～+125

Attenuation VS. Frequency VS. Power

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

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CFE800

Flexible, Low-Loss,
Economy Coaxial Cable

MECHANC

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	≤±9° @18GHz
4	Phase Stability (Temperature)	＜1400PPM@-55℃～+85℃
5	Amplitude Stability	≤±0.1dB@18GHz
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(℃)	-55～+125

Attenuation VS. Frequency VS. Power

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

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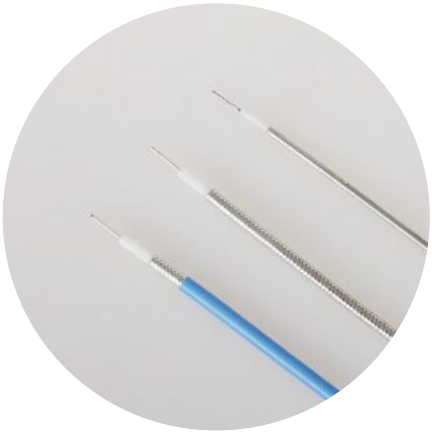
Semi-Flex, Low-Loss,
Optional FEP Jacket Coaxial Cable

CMG Series

MECHANC



CMG047F

Semi-Flex, Low-Loss, Optional FEP Jacket, Coaxial Cable

MECHANC

Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.29	Silver Plated Copper/Silver Plated Copper Clad Steel
2	Insulating	0.94	PTFE
3	Outer Conductor	1.19	Tinned Copper Braid
4	Jacket	1.65	FEP

Specification

1	Operating Frequency(GHz)	20
2	Impedance(Ohms)	50
3	Velocity of Propagation	70%
4	Time Delay (ns/m)	4.7
5	Capacitance(pF/m)	95
6	Voltage withstand(V,DC)	1500
7	Shielding Effectiveness(dB)	＞100
8	Single Bend Radius(mm)	4.00
9	Reapted Bend Radius(mm)	20.00
10	Temperature Range(℃)	-55～+200

Attenuation VS. Frequency VS. Power

Frequency ((MHz)	500	1000	5000	10000	18000	20000
Attenuation (dB/m)	0.821	1.176	2.687	4.203	5.564	5.779
Average Power (KW)	0.062	0.044	0.019	0.013	0.010	0.009

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CMG086F/CMG086L/CMG086V

Semi-Flex, Low-Loss, Optional FEP & LSOH & PVC Jacket, Coaxial Cable

MECHANC

Structure & Dimension

	Structure	Part No.	Dimension (mm)	Material
1	Inner Conductor		0.52	Silver Plated Copper/Silver Plated Copper Clad Steel
2	Insulating		1.65	PTFE
3	Outer Conductor		2.15	Tinned Copper Braid
		CMG086F	2.50	FEP
4	Jacket	CMG086L	2.65	LSOH
		CMG086V	2.65	PVC

Specification

1	Operating Frequency (GHz)	20
2	Impedance (Ohms)	50
3	Velocity of Propagation	70%
4	Time Delay (ns/m)	4.7
5	Capacitance (pF/m)	95
6	Voltage Withstand (V,DC)	1500
7	Shielding Effectiveness (dB)	＞100
8	Single Bend Radius (mm)	6.00
9	Reapted Bend Radius (mm)	20.00
		-55～+125 (FEP Jacket)
10	Temperature Range (℃)	-40～+80 (LSOH Jacket)
		-25～+70 (PVC Jacket)

Attenuation VS. Frequency VS. Power

Frequency (MHz)	500	1000	5000	10000	18000	20000
Attenuation (dB/m)	0.449	0.638	1.511	2.216	3.092	3.290
Average Power (KW)	0.174	0.122	0.052	0.036	0.026	0.024

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CMG141F/CMG141L/CMG141V

Semi-Flex, Low-Loss, Optional FEP & LSOH & PVC Jacket, Coaxial Cable

MECHANC

Structure & Dimension

	Structure	Part No.	Dimension (mm)	Material
1	Inner Conductor		0.93	Silver Plated Copper/Silver Plated Copper Clad Steel
2	Insulating		2.98	PTFE
3	Outer Conductor		3.52	Tinned Copper Braid
		CMG141F	4.10	FEP
4	Jacket	CMG141L	4.25	LSOH
		CMG086V	4.25	PVC

Specification

1	Operating Frequency(GHz)	20
2	Impedance(Ohms)	50
3	Velocity of Propagation	70%
4	Time Delay(ns/m)	4.7
5	Capacitance(pF/m)	95
6	Voltage Withstand(V,DC)	1900
7	Shielding Effectiveness(dB)	＞100
8	Single Bend Radius(mm)	8.00
9	Reapted Bend Radius(mm)	40.00
10	Temperature Range(℃)	-55～+125(FEP Jacket) -40～+80(LSOH Jacket) -25～+70(PVC Jacket)

Attenuation VS. Frequency VS. Power

Frequency (MHz)	500	1000	5000	10000	18000	20000
Attenuation (dB/m)	0.262	0.391	0.922	1.383	2.050	2.080
Average Power (KW)	0.437	0.303	0.127	0.086	0.063	0.057

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CMG160F/CMG160L/CMG160V

Semi-Flex, Low-Loss, Optional FEP & LSOH & PVC Jacket, Coaxial Cable

MECHANC

Structure & Dimension

	Structure	Part No.	Dimension (mm)	Material
1	Inner Conductor		1.08	Silver Plated Copper/Silver Plated Copper Clad Steel
2	Insulating		3.50	PTFE
3	Outer Conductor		4.10	Tinned Copper Braid
		CMG160F	4.70	FEP
4	Jacket	CMG160L	4.90	LSOH
		CMG160V	4.90	PVC

Specification

1	Operating Frequency(GHz)	20
2	Impedance(Ohms)	50
3	Velocity of Propagation	70%
4	Time Delay(ns/m)	4.7
5	Capacitance(pF/m)	95
6	Voltage Withstand(V,DC)	2100
7	Shielding Effectiveness(dB)	＞100
8	Single Bend Radius(mm)	10.00
9	Reapted Bend Radius(mm)	40.00
		-55～+125(FEP Jacket)
10	Temperature Range(℃)	-40～+80(LSOH Jacket)
		-25～+70(PVC Jacket)

Attenuation VS. Frequency VS. Power

Frequency (MHz)	500	1000	5000	10000	18000	20000
Attenuation (dB/m)	0.231	0.358	0.889	1.330	1.912	1.947
Average Power (KW)	0.657	0.412	0.180	0.125	0.093	0.086

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CMG250F/CMG250L/CMG250V

Semi-Flex, Low-Loss, Optional FEP & LSOH & PVC Jacket, Coaxial Cable

Structure & Dimension

	Structure	Part No.	Dimension (mm)	Material
1	Inner Conductor		1.63	Silver Plated Copper/Silver Plated Copper Clad Steel
2	Insulating		5.31	PTFE
3	Outer Conductor		6.20	Tinned Copper Braid
		CMG250F		FEP
4	Jacket	CMG250L	7.00	LSOH
		CMG250V		PVC

Specification

1	Operating Frequency (GHz)	18
2	Impedance (Ohms)	50
3	Velocity of Propagation	70%
4	Time Delay (ns/m)	4.7
5	Capacitance (pF/m)	95
6	Voltage Withstand (V, DC)	3500
7	Shielding Effectiveness (dB)	＞100
8	Single Bend Radius (mm)	30.00
9	Reapted Bend Radius (mm)	120.00
		-55～+125 (FEP Jacket)
10	Temperature Range (℃)	-40～+80 (LSOH Jacket)
		-25～+70 (PVC Jacket)

Attenuation VS. Frequency VS. Power

Frequency (MHz)	500	1000	5000	10000	18000
Attenuation (dB/m)	0.168	0.252	0.631	0.978	1.421
Average Power (KW)	1.390	0.954	0.387	0.245	0.196

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MECHANC

Semi-Rigid, Ultra Low-Loss, High Temperature Resistance, Phase & Amplitude Stable Coaxial Cable

CRM Series

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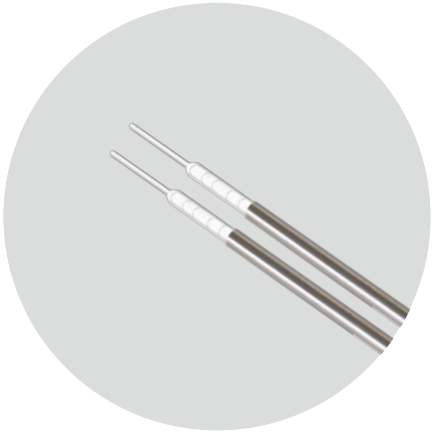

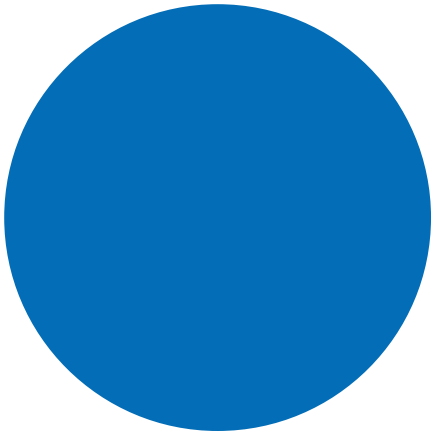

CRM086

Semi-Rigid, Ultra Low-Loss, High Temperature Resistance,
Phase & Amplitude Stable Coaxial Cable

MECHANC

Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.59	Silver Plated Copper
2	Insulating	1.68	PTFE
3	Outer Conductor	2.18	Seamless Annealed Copper Tube Seamless Annealed Copper Tube Plating Ternary Alloy

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Stable Phase	＜750PPM@-45℃～+85℃
4	Velocity of Propagation	81%
5	Voltage Withstand(V,DC)	500
6	Shielding Effectiveness(dB)	＞165
7	Weight(g/m)	19
8	Minimum Bend Radius(mm)	7.00
9	Temperature Range(℃)	-55～+250

Attenuation VS. Frequency VS. Power

Frequency (MHz)	300	500	1000	3000	6000	8000	12400	18000	26500	35000	40000
Attenuation (dB/m)	0.293	0.384	0.545	0.951	1.355	1.571	1.969	2.389	2.924	3.386	3.634
Average Power (KW)	0.480	0.370	0.260	0.150	0.100	0.090	0.070	0.060	0.048	0.042	0.039

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CRM141

Semi-Rigid, Ultra Low-Loss, High Temperature Resistance,
Phase & Amplitude Stable Coaxial Cable

MECHANC

Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.05	Silver Plated Copper
2	Insulating	3.00	PTFE
3	Outer Conductor	3.58	Seamless Annealed Copper Tube Seamless Annealed Copper Tube Plating Ternary Alloy

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Stable Phase	＜750PPM@-45℃～+85℃
4	Velocity of Propagation	81%
5	Voltage Withstand(V,DC)	1000
6	Shielding Effectiveness(dB)	＞165
7	Weight(g/m)	45
8	Minimum Bend Radius(mm)	13.50
9	Temperature Range(℃)	-55～+250

Attenuation VS. Frequency VS. Power

Frequency (MHz)	300	500	1000	3000	6000	8000	9000	10000	12400	18000	26500
Attenuation (dB/m)	0.168	0.217	0.308	0.540	0.771	0.895	0.951	1.005	1.125	1.369	1.681
Average Power (KW)	1.073	0.829	0.584	0.334	0.233	0.201	0.189	0.179	0.160	0.132	0.107

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MECHANC

Semi-Rigid, Low-Loss, High Temperature Resistance Coaxial Cable

CRG Series

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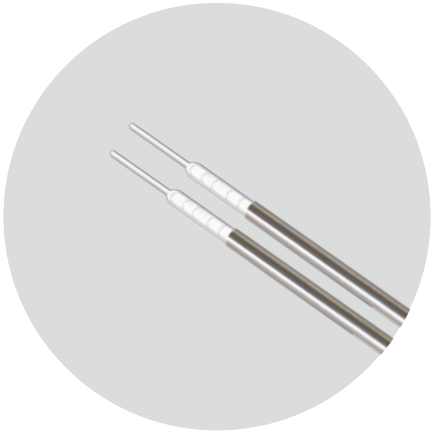

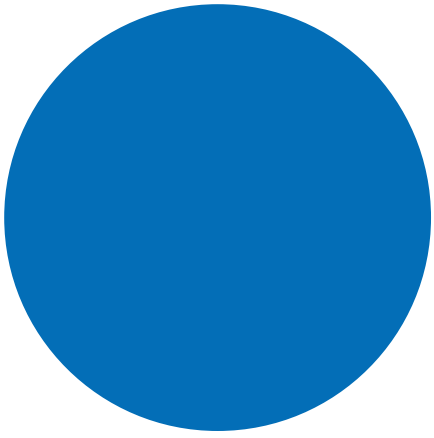

CRG086

Semi-Rigid, Low-Loss,

High Temperature Resistance, Coaxial Cable

MECHANC

Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.56	Silver Plated Copper
2	Insulating	1.68	PTFE
3	Outer Conductor	2.18	Seamless Annealed Copper Tube Seamless Annealed Copper Tube Plating Ternary Alloy

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand(V,DC)	500
5	Shielding Effectiveness(dB)	＞165
6	Weight (g/m)	19
7	Minimum Bend Radius(mm)	7.00
8	Temperature Range(℃)	-55～+250

Attenuation VS. Frequency VS. Power

Frequency (MHz)	300	500	1000	3000	6000	8000	10000	12400	18000	26500	35000	40000
Attenuation (dB/m)	0.318	0.411	0.583	1.018	1.449	1.680	1.884	2.106	2.555	3.128	3.622	3.887
Average Power (KW)	0.475	0.367	0.259	0.148	0.104	0.090	0.080	0.072	0.059	0.048	0.042	0.039

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CRG141

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High Temperature Resistance, Coaxial Cable

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Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.99	Silver Plated Copper
2	Insulating	3.00	PTFE
3	Outer Conductor	3.58	Seamless Annealed Copper Tube Seamless Annealed Copper Tube Plating Ternary Alloy

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand(V,DC)	1000
5	Shielding Effectiveness(dB)	＞165
6	Weight(g/m)	45
7	Minimum Bend Radius(mm)	10.00
8	Temperature Range(℃)	-55～+250

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	18000	26500
Attenuation (dB/m)	0.317	0.455	0.657	0.817	0.956	1.081	1.218	1.503	1.877
Average Power (KW)	0.550	0.383	0.265	0.213	0.182	0.161	0.143	0.116	0.093

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CRG250

Semi-Rigid, Low-Loss,

High Temperature Resistance, Coaxial Cable

MECHANC

Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.78	Silver Plated Copper
2	Insulating	5.33	PTFE
3	Outer Conductor	6.35	Seamless Annealed Copper Tube Seamless Annealed Copper Tube Plating Ternary Alloy

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand(V,DC)	2200
5	Shielding Effectiveness(dB)	＞165
6	Weight(g/m)	136
7	Minimum Bend Radius(mm)	32.00
8	Temperature Range(℃)	-55～+250

Attenuation VS. Frequency VS. Power

Frequency (MHz)	300	500	1000	3000	6000	8000	10000	12400	18000
Attenuation (dB/m)	0.099	0.128	0.183	0.324	0.470	0.549	0.621	0.699	0.862
Average Power (KW)	1.530	1.179	0.825	0.465	0.321	0.274	0.243	0.216	0.175

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