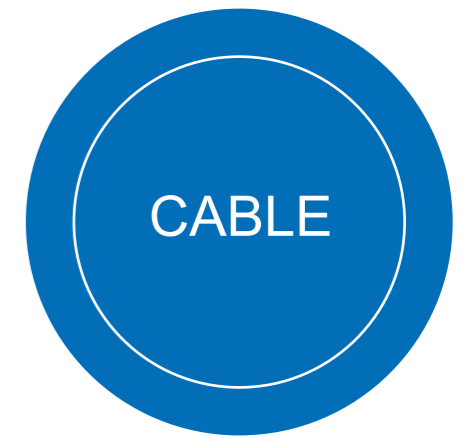
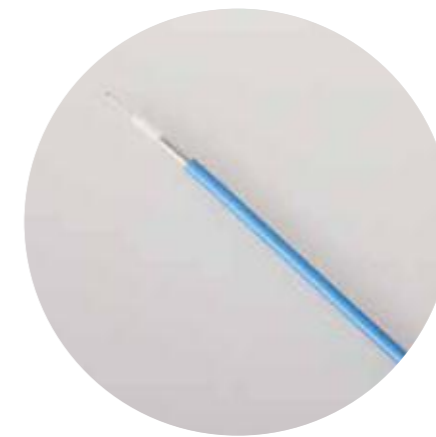
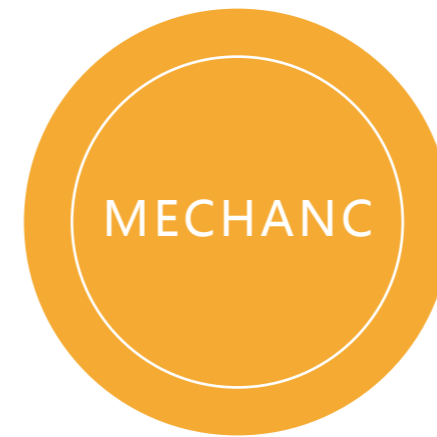




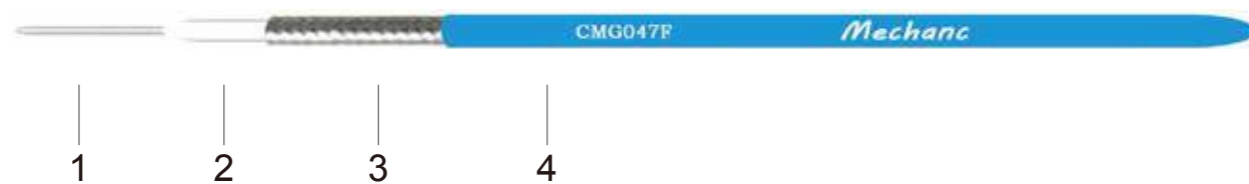
Semi-Flex, Low-Loss,
Optional FEP Jacket Coaxial Cables

CMG Series



CMG047F

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



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 (°C)	-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	

CMG086F/CMG086L/CMG086V

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



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
4	Jacket	CMG086F	2.50	FEP
		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
10	Temperature Range (°C)	-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)	0.449	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	

CMG141F/CMG141L/CMG141V

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



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			
4	Jacket	CMG141F	4.10	FEP			
		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 (°C)		-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	

CMG160F/CMG160L/CMG160V

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



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			
4	Jacket	CMG160F	4.70	FEP			
		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				
10	Temperature Range (°C)		-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)	0.231	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	

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			
4	Jacket	CMG250F	7.00	FEP			
		CMG250L		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				
10	Temperature Range (°C)		-55 ~ +125(FEP Jacket)				
			-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		

