

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
		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	Repeated Bend Radius (mm)	20.00
		-55~+125 (FEP Jacket)
10	Temperature Range (°C)	-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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