

CMG141

Semi-Flexible,
Cost-Effective RF Coaxial Cable
Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.93	Silver Plated Copper
2	Insulating	2.93	PTFE
3	Outer Conductor	3.40	Tinned Copper Braid

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	70%
4	Voltage Withstand (Vrms@1min)	3000
5	Shielding Effectiveness(dB)	≥100
6	Weight(g/m)	41
7	Single Bend Radius(mm)	8.00
8	Temperature Range(℃)	-50~+150

Attenuation (Typical@25℃ & VSWR=1.0) VS. Frequency VS. Power (VSWR=1.0; 40℃; Sea Level)

Frequency (MHz)	500	1000	2000	3000	5000	10000	18000
Attenuation (dB/m)	0.279	0.422	0.637	0.801	1.083	1.628	2.281
Average Power (KW)	0.790	0.526	0.351	0.277	0.205	0.137	0.097



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