

CRG086DS

Semi-Rigid,
Low-Loss, High Temperature Resistance RF Coaxial Cable
Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.56	Silver Plated Copper
2	Insulating	1.68	LD-PTFE
3	Outer Conductor	2.18	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 (Vrms@1min)	500
5	Shielding Effectiveness(dB)	≥165
6	Weight(g/m)	21
7	Single Bend Radius(mm)	7.00
8	Temperature Range(°C)	-55~+250

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/m)	0.583	0.828	1.017	1.449	1.680	1.884	2.106	2.555
Average Power (KW)	0.259	0.182	0.148	0.104	0.090	0.080	0.072	0.059

$K1=1.8253280$ $K2=0.0005900$

Calculate Attenuation = $K1*\sqrt{FMHz}+K2*FMHz$



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