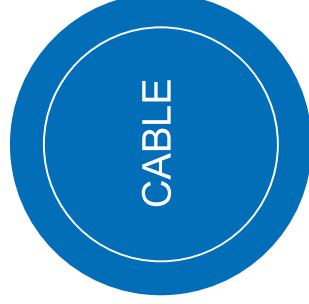




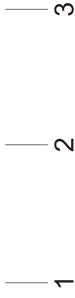
Semi-Rigid, Ultra Low-Loss, High Temperature Resistance,  
Phase & Amplitude Stable Coaxial Cables

**CRM Series**



# CRM086

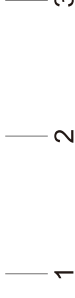
Semi-Rigid, Ultra Low-Loss, High Temperature Resistance, Phase & Amplitude Stable Coaxial Cable



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°C ~ +85°C										
4 Velocity of Propagation	81%										
5 Voltage Withstand (VDC)	500										
6 Shielding Effectiveness (dB)	> 165										
7 Weight (g/m)	19										
8 Minimum Bend Radius (mm)	7.00										
9 Temperature Range (°C)	-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

# CRM141

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

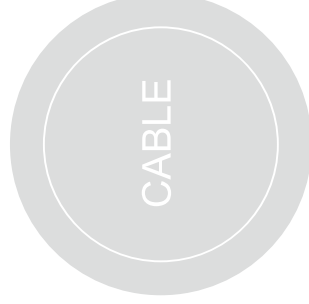


Structure & Dimension											
Structure	Dimension (mm)	Material									
1 Inner Conductor	1.05	Silver Plated Copper									
2 Insulating	3.00	PTFE									
3 Outer Conductor	3.58	Seamless Annealed Copper Tube Seamless Annealed Copper Tube Plating Ternary Alloy									
Specification											
1 Operating Frequency (GHz)	26.5										
2 Impedance (Ohms)	50										
3 Stable Phase	< 750PPM@-45°C ~ +85°C										
4 Velocity of Propagation	81%										
5 Voltage Withstand (VDC)	1000										
6 Shielding Effectiveness (dB)	> 165										
7 Weight (g/m)	45										
8 Minimum Bend Radius (mm)	13.50										
9 Temperature Range (°C)	-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



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

**CRG Series**



## CRG086

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



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 (VDC)	500										
5	Shielding Effectiveness (dB)	> 165										
6	Weight (g/m)	19										
7	Minimum Bend Radius (mm)	7.00										
8	Temperature Range (°C)	-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

## CRG141

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



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 (VDC)	1000							
5	Shielding Effectiveness (dB)	> 165							
6	Weight (g/m)	45							
7	Minimum Bend Radius (mm)	10.00							
8	Temperature Range (°C)	-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

# CRG250

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



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 (VDC)	2200							
5	Shielding Effectiveness (dB)	> 165							
6	Weight (g/m)	136							
7	Minimum Bend Radius (mm)	32.00							
8	Temperature Range (°C)	-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



# CRG SERIES