

CRT034

Semi-Rigid,
Resistant to Extremely Low Temperatures RF Coaxial Cable
Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.21	Silver Plated Copper-Nickel Alloy
2	Insulating	0.61	PTFE
3	Outer Conductor	0.86	Copper-Nickel Alloy Tube

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	77%
4	Voltage Withstand (Vrms@1min)	100
5	Shielding Effectiveness(dB)	≥165
6	Weight(g/m)	3.4
7	Single Bend Radius(mm)	4.30
8	Temperature Range(℃)	-268~+150

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	16000	18000
Attenuation (dB/m)	3.167	4.497	5.524	7.865	9.114	10.222	11.420	13.033	13.851
Average Power (KW)	0.102	0.072	0.058	0.041	0.035	0.032	0.028	0.025	0.023
K1=9.9215000					K2=0.0030000				
Calculate Attenuation = K1*√FMHz+K2*FMHz									



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