

CRT020

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



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.13	Silver Plated Copper-Nickel Alloy
2	Insulating	0.43	PTFE
3	Outer Conductor	0.58	Copper-Nickel Alloy Tube

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	70%
4	Voltage Withstand (Vrms@1min)	100
5	Shielding Effectiveness(dB)	≥165
6	Weight(g/m)	2
7	Single Bend Radius(mm)	2.90
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)	5.634	7.967	9.758	13.800	15.935	17.815	19.838	22.535	23.902
Average Power (KW)	0.064	0.045	0.037	0.026	0.023	0.020	0.018	0.016	0.015
K1=17.8154000					K2=0.0000010				
Calculate Attenuation = K1*√FMHz+K2*FMHz									



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