CFS1000

Flexible, Ultra Low-Loss,

Phase & Amplitude Stable RF Coaxial Cable

Ver: S-A01

Structure & Dimension

	Structure	Dimension（mm）	Material
1	Inner Conductor	3.00	Silver Plated Copper
2	Insulating	8.24	LD-PTFE
3	Outer Conductor	8.48	Silver Plated Copper Ribbon
4	Shielding	9.20	Silver Plated Copper
5	Jacket	10.00	FEP

Specification

1	Operating Frequency(GHz)	10
2	Impedance(Ohms)	50
3	Velocity of Propagation	83%
4	Voltage Withstand (V,DC)	3000
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	206
7	Single Bend Radius(mm)	50.00
8	Repeated Bend Radius(mm)	100.00
9	Temperature Range(℃)	-55～+105

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

Frequency（MHz）	1000	2000	3000	4000	5000	6000	8000	10000
Attenuation（dB/m）	0.104	0.150	0.187	0.218	0.246	0.272	0.319	0.361
Average Power（KW）	3.512	2.440	1.996	1.684	1.492	1.350	1.151	1.016

K1=0.3161770 K2=0.0004480

Calculate Attenuation ＝ K1*√FMHz+K2*FMHz

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