

CFS400B

Flexible, Ultra Low-Loss,

Phase & Amplitude Stable RF Coaxial Cable

Ver: B-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.06	Silver Plated Copper
2	Insulating	2.95	LD-PTFE
3	Outer Conductor	3.13	Silver Plated Copper Ribbon
4	Shielding	3.50	Silver Plated Copper
5	Jacket	3.90	FEP

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Velocity of Propagation	81%
4	Voltage Withstand (V,DC)	1000
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	40
7	Single Bend Radius(mm)	20.00
8	Repeated Bend Radius(mm)	40.00
9	Temperature Range(°C)	-55~+165

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

Frequency (MHz)	300	1000	3000	6000	10000	12000	18000	26500	40000
Attenuation (dB/m)	0.169	0.310	0.536	0.804	0.998	1.098	1.361	1.685	2.138
Average Power (KW)	0.946	0.513	0.292	0.203	0.155	0.141	0.113	0.091	0.073

$$K1=0.8699642$$

$$K2=0.0006109$$

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



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