

CFS800

Flexible, Ultra Low-Loss,

Phase & Amplitude Stable RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	2.30	Silver Plated Copper
2	Insulating	6.20	LD-PTFE
3	Outer Conductor	6.44	Silver Plated Copper Ribbon
4	Shielding	7.10	Silver Plated Copper
5	Jacket	7.90	FEP

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	83%
4	Voltage Withstand (V,DC)	3000
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	130
7	Single Bend Radius(mm)	39.00
8	Repeated Bend Radius(mm)	79.00
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)	1000	2000	3000	6000	8000	10000	12400	16000	18000
Attenuation (dB/m)	0.147	0.210	0.260	0.373	0.434	0.488	0.548	0.628	0.670
Average Power (KW)	2.303	1.614	1.309	0.912	0.783	0.696	0.620	0.541	0.507

$$K1=0.4563000$$

$$K2=0.0003200$$

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



ADD: No. 299 Songqiu Rd, Shanghai China

TEL: +86-021-5466 7179 (+86 150 0036 1136)

WEB: www.mechanc.com

MAIL: hgh@mechanc.com