

CFS360

Flexible, Ultra Low-Loss,

Phase & Amplitude Stable RF Coaxial Cable

Ver: B-A01



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Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.91	Silver Plated Copper
2	Insulating	2.50	LD-PTFE
3	Outer Conductor	2.66	Silver Plated Copper Ribbon
4	Shielding	3.15	Silver Plated Copper
5	Jacket	3.60	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)	35
7	Single Bend Radius(mm)	18.00
8	Repeated Bend Radius(mm)	36.00
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	5000	6000	8000	10000	12000	14000	18000	26500	40000
Attenuation (dB/m)	0.204	0.375	0.656	0.854	0.938	1.089	1.223	1.346	1.460	1.667	2.048	2.557
Average Power (KW)	0.936	0.509	0.291	0.224	0.203	0.175	0.156	0.142	0.131	0.115	0.093	0.075

$$K1=1.1684700$$

$$K2=0.0005500$$

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



MECHANC

ADD: No. 299 Songqiu Rd,Shanghai China

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

WEB: www.mechanc.com

MAIL: hgh@mechanc.com