

CFS520

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	1.45	Silver Plated Copper
2	Insulating	4.00	LD-PTFE
3	Outer Conductor	4.20	Silver Plated Copper Ribbon
4	Shielding	4.60	Silver Plated Copper
5	Jacket	5.20	FEP

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Velocity of Propagation	83%
4	Voltage Withstand (V,DC)	1500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	67
7	Single Bend Radius(mm)	26.00
8	Repeated Bend Radius(mm)	52.00
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)	100	300	500	1000	2000	3000	6000	10000	12400	18000	26500
Attenuation (dB/m)	0.073	0.127	0.165	0.234	0.333	0.410	0.585	0.763	0.854	1.038	1.275
Average Power (KW)	2.934	1.688	1.305	0.919	0.646	0.525	0.368	0.282	0.252	0.207	0.169

$$K1=0.7300000$$

$$K2=0.0003280$$

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



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