

CFA520

Flexible, Low-Loss,

RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.29	Silver Plated Copper
2	Insulating	3.85	LD-PTFE
3	Outer Conductor	4.05	Silver Plated Copper Ribbon
4	Shielding	4.62	Silver Plated Copper
5	Jacket	5.20	FEP

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	1500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	66
7	Single Bend Radius(mm)	26.00
8	Repeated Bend Radius(mm)	51.00
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	18000	26500
Attenuation (dB/m)	0.250	0.356	0.440	0.632	0.737	0.830	0.931	1.140	1.411
Average Power (KW)	0.749	0.524	0.425	0.296	0.254	0.225	0.201	0.164	0.132

$$K1=0.7706100$$

$$K2=0.0005910$$

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



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