

CFS220

Flexible, Ultra Low-Loss,

Phase & Amplitude Stable RF Coaxial Cable

Ver: B-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.51	Silver Plated Copper
2	Insulating	1.40	LD-PTFE
3	Outer Conductor	1.58	Silver Plated Copper Ribbon
4	Shielding	1.94	Silver Plated Copper
5	Jacket	2.20	FEP

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Velocity of Propagation	81%
4	Voltage Withstand (V,DC)	500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	16
7	Single Bend Radius(mm)	11.00
8	Repeated Bend Radius(mm)	22.00
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	3000	6000	8000	10000	12000	14000	18000	26500	40000
Attenuation (dB/m)	0.631	1.112	1.597	1.860	2.095	2.310	2.510	2.877	3.559	4.480
Average Power (KW)	0.271	0.154	0.107	0.092	0.082	0.074	0.068	0.059	0.048	0.038

$$K1=1.9500000$$

$$K2=0.0014500$$

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



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