

CFA230

Flexible, Low-Loss,

RF Coaxial Cable

Ver: B-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.51	Silver Plated Copper
2	Insulating	1.52	LD-PTFE
3	Outer Conductor	1.65	Silver Plated Copper Ribbon
4	Shielding	1.95	Silver Plated Copper
5	Jacket	2.30	FEP

Specification

1	Operating Frequency(GHz)	50
2	Impedance(Ohms)	50
3	Velocity of Propagation	75%
4	Voltage Withstand (V,DC)	500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	16
7	Single Bend Radius(mm)	15.00
8	Repeated Bend Radius(mm)	23.00
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	6000	10000	12000	18000	26500	40000	50000
Attenuation (dB/m)	0.381	0.701	1.229	1.760	2.299	2.532	3.141	3.868	4.843	5.479
Average Power (KW)	0.178	0.097	0.055	0.039	0.030	0.026	0.022	0.018	0.014	0.012

K1=2.1773416

K2=0.0012207

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



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