

CFA640

Flexible, Low-Loss,

RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.57	Silver Plated Copper
2	Insulating	4.72	LD-PTFE
3	Outer Conductor	4.90	Silver Plated Copper Ribbon
4	Shielding	5.50	Silver Plated Copper
5	Jacket	6.35	FEP

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	2500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	94
7	Single Bend Radius(mm)	32.00
8	Repeated Bend Radius(mm)	63.00
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
Attenuation (dB/m)	0.214	0.306	0.379	0.546	0.637	0.718	0.807	0.990
Average Power (KW)	1.019	0.712	0.577	0.400	0.343	0.304	0.271	0.220

$$K1=0.6588470$$

$$K2=0.0005910$$

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



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