

CFA370

Flexible, Low-Loss,

RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.91	Silver Plated Copper
2	Insulating	2.70	LD-PTFE
3	Outer Conductor	2.85	Silver Plated Copper Ribbon
4	Shielding	3.30	Silver Plated Copper
5	Jacket	3.75	FEP

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	1500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	34
7	Single Bend Radius(mm)	19.00
8	Repeated Bend Radius(mm)	38.00
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	40000
Attenuation (dB/m)	0.394	0.560	0.689	0.982	1.139	1.279	1.430	1.737	2.129	2.650
Average Power (KW)	0.753	0.530	0.431	0.302	0.261	0.232	0.208	0.171	0.139	0.112

K1=1.2325790

K2=0.0004620

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



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