

CFA570MW

Flexible, Low-Loss,

Phase & Amplitude Stable RF Coaxial Cable

Ver: B-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.44	Silver Plated Copper (Stranded)
2	Insulating	4.25	LD-PTFE
3	Outer Conductor	4.40	Silver Plated Copper Ribbon
4	Shielding	4.80	Silver Plated Copper
5	Jacket	5.70	FEP

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	1500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	65
7	Single Bend Radius(mm)	29.00
8	Repeated Bend Radius(mm)	58.00
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	2000	3000	6000	10000	12000	18000
Attenuation (dB/m)	0.136	0.256	0.372	0.464	0.685	0.920	1.025	1.308
Average Power (KW)	1.841	0.980	0.675	0.541	0.367	0.273	0.245	0.192

$$K1=0.0076000$$

$$K2=0.0000160$$

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



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