

CFE500

Flexible, Low-Loss,
Economy RF Coaxial Cable

Ver: B-A01



MECHANC



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.45	Silver Plated Copper
2	Insulating	4.20	LD-PTFE
3	Outer Conductor	4.35	Self-adhesive Al Foil
4	Shielding	4.65	Silver Plated Copper
5	Jacket	5.20	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)	≥70
6	Weight(g/m)	60
7	Single Bend Radius(mm)	26.00
8	Repeated Bend Radius(mm)	52.00
9	Temperature Range(°C)	-55~+125

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
Attenuation (dB/m)	0.128	0.238	0.426	0.621	0.827	0.917	1.159
Average Power (KW)	1.935	1.038	0.580	0.397	0.299	0.269	0.213

K1=0.7180000

K2=0.0010880

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



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