

CFS740

Flexible, Ultra Low-Loss,

Phase & Amplitude Stable RF Coaxial Cable

Ver: S-A01



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Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	2.10	Silver Plated Copper
2	Insulating	5.70	LD-PTFE
3	Outer Conductor	5.95	Silver Plated Copper Ribbon
4	Shielding	6.60	Silver Plated Copper
5	Jacket	7.40	FEP

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	83%
4	Voltage Withstand (V,DC)	2500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	116
7	Single Bend Radius(mm)	37.00
8	Repeated Bend Radius(mm)	74.00
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	16000	18000
Attenuation (dB/m)	0.167	0.237	0.291	0.414	0.479	0.537	0.599	0.682	0.725
Average Power (KW)	1.979	1.396	1.137	0.801	0.692	0.618	0.553	0.486	0.457

$$K1=0.5262790$$

$$K2=0.0001040$$

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



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