

CFD360

Flexible, Cost-effective, Ultra Low-Loss,
Phase & Amplitude Stable RF Coaxial Cable
Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.91	Silver Plated Copper
2	Insulating	2.68	LD-PTFE
3	Outer Conductor	2.80	Silver Plated Copper Ribbon
4	Shielding	3.10	Silver Plated Copper
5	Jacket	3.60	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)	33
7	Single Bend Radius(mm)	18.00
8	Repeated Bend Radius(mm)	36.00
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	4000	6000	8000	10000	12000	18000	26500	40000
Attenuation (dB/m)	0.205	0.377	0.536	0.764	0.941	1.092	1.227	1.349	1.670	2.050	2.557
Average Power (KW)	0.940	0.512	0.360	0.252	0.205	0.176	0.157	0.143	0.115	0.094	0.075

$$K1=1.1746700$$

$$K2=0.0005200$$

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



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