

CFR400

Flexible, Economy & Good Stability,

Replace Semi-flex and Semi-rigid RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.94	Silver Plated Copper
2	Insulating	3.00	PTFE
3	Outer Conductor	3.20	Silver Plated Copper Ribbon
4	Shielding	3.55	Silver Plated Copper
5	Jacket	4.00	FEP

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Velocity of Propagation	70%
4	Voltage Withstand (V,DC)	1500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	41.0
7	Single Bend Radius(mm)	20.00
8	Repeated Bend Radius(mm)	40.00
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)	1000	2000	3000	6000	8000	10000	12400	18000	26500
Attenuation (dB/m)	0.376	0.551	0.693	1.039	1.235	1.416	1.619	2.053	2.647
Average Power (KW)	0.290	0.198	0.157	0.105	0.088	0.077	0.067	0.053	0.041

$$K1=1.0826770$$

$$K2=0.0033370$$

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



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