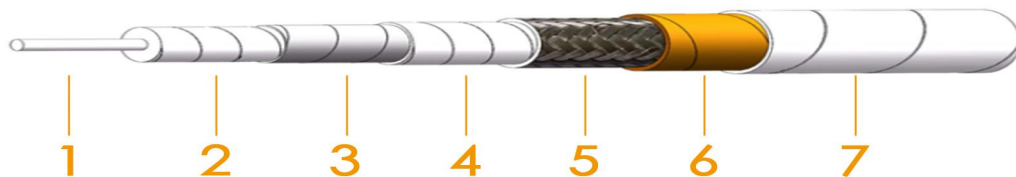


CFU400

Flexible, Low-Loss, Suitable for Ultra-High Temperature Applications,

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	2.50	LD-PTFE
3	Outer Conductor	2.66	Silver Plated Copper Ribbon
4	Sandwich layer	2.95	PTFE
5	Shielding	3.35	Silver Plated Copper
6-7	Jacket	4.00	PI & PTFE

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Velocity of Propagation	82%
4	Voltage Withstand (V,DC)	1000
5	Shielding Effectiveness(dB)	≥90
6	Max Tolerable Temperature (°C@400s)	400
7	Weight(g/m)	29
8	Single Bend Radius(mm)	20.00
9	Repeated Bend Radius(mm)	40.00
10	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	40000
Attenuation (dB/m)	0.412	0.586	0.720	1.029	1.194	1.340	1.499	1.823	2.238	2.791
Average Power (KW)	0.509	0.358	0.291	0.204	0.176	0.156	0.140	0.115	0.094	0.075

K1=1.2853170

K2=0.0005500

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



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