

CFP1200

Flexible, Low-Loss, Resistance to High Power,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	3.50	Silver Plated Copper
2	Insulating	9.90	LD-PTFE
3	Outer Conductor	10.17	Silver Plated Copper Ribbon
4	Sandwich Layer	10.30	Aluminum Foil (High temperature)
5	Shielding	11.02	Silver Plated Copper
6	Jacket	12.00	FEP

Specification

1	Operating Frequency (GHz)	8
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 2^\circ$ @8GHz
4	Phase Stability (Temperature)	$< 1400\text{PPM}@-55^\circ\text{C}\sim+85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}@8\text{GHz}$
6	Velocity of Propagation	76%
7	Voltage Withstand (V, DC)	3000
8	Shielding Effectiveness (dB)	> 100
9	Weight (g/m)	310
10	Single Bend Radius (mm)	60.00
11	Repeated Bend Radius (mm)	120.00
12	Temperature Range ($^\circ\text{C}$)	$-55\sim+200$

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	3000	4000	5000	6000	7000	8000
Attenuation (dB/m)	0.130	0.187	0.233	0.272	0.307	0.339	0.370	0.398
Average Power (KW)	2.590	1.797	1.446	1.238	1.096	0.991	0.910	0.844



Add: 569 Huaxu Road, Qingpu Shanghai, P.R.China

Email: sales@mechanc.com

Tel: +86-021-54667179

Web: www.mechanc.com