

CFP1200M

Flexible, Low-Loss,

Resistance to High Power RF Coaxial Cable

Ver: S-A01



Structure & Dimension

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

Specification

1	Operating Frequency(GHz)	10
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	3000
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	300
7	Single Bend Radius(mm)	60.00
8	Repeated Bend Radius(mm)	120.00
9	Temperature Range(°C)	-55~+200

Attenuation (Typical@25°C & VSWR=1.0) VS. Frequency VS. Power (VSWR=1.0; 40°C; Sea Level)

Frequency (MHz)	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
Attenuation (dB/m)	0.130	0.187	0.233	0.272	0.307	0.339	0.370	0.398	0.426	0.452
Average Power (KW)	3.323	2.306	1.856	1.588	1.406	1.271	1.167	1.083	1.012	0.955

$$K1=0.3916800$$

$$K2=0.0006000$$

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



ADD: No. 299 Songqiu Rd, Shanghai China

WEB: www.mechanc.com

TEL: +86-021-5466 7179 (+86 150 0036 1136)

MAIL: hgh@mechanc.com