

CFP1500M

Flexible, Low-Loss,

Resistance to High Power RF Coaxial Cable

Ver: S-A01



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Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	4.40	Silver Plated Copper (Stranded)
2	Insulating	12.50	LD-PTFE
3	Outer Conductor	12.74	Silver Plated Copper Ribbon
4	Sandwich layer	12.85	Aluminum Foil
5	Shielding	13.60	Silver Plated Copper
6	Jacket	14.70	FEP

Specification

1	Operating Frequency(GHz)	6
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	4000
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	432
7	Single Bend Radius(mm)	74.00
8	Repeated Bend Radius(mm)	147.00
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)	100	300	500	800	1000	2000	3000	5000	6000
Attenuation (dB/m)	0.031	0.054	0.071	0.091	0.102	0.148	0.184	0.245	0.271
Average Power (KW)	14.724	8.384	6.433	5.031	4.472	3.088	2.477	1.866	1.684

$$K1=0.3916800$$

$$K2=0.0006000$$

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



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