

CFP930

Flexible, Low-Loss,

Resistance to High Power RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	2.44	Silver Plated Copper
2	Insulating	7.24	LD-PTFE
3	Outer Conductor	7.48	Silver Plated Copper Ribbon
4	Sandwich layer	7.61	Aluminum Foil
5	Shielding	8.33	Silver Plated Copper
6	Jacket	9.30	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)	207
7	Single Bend Radius(mm)	47.00
8	Repeated Bend Radius(mm)	93.00
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)	0.147	0.211	0.262	0.306	0.345	0.382	0.415	0.447	0.477	0.506
Average Power (KW)	2.485	1.728	1.393	1.194	1.058	0.958	0.880	0.818	0.766	0.722

$$K1=0.4460800$$

$$K2=0.0006000$$

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



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