

CFP760

Flexible, Low-Loss,

Resistance to High Power RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	2.06	Silver Plated Copper
2	Insulating	5.89	LD-PTFE
3	Outer Conductor	6.05	Silver Plated Copper Ribbon
4	Sandwich layer	6.17	Aluminum Foil
5	Shielding	6.81	Silver Plated Copper
6	Jacket	7.62	FEP

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	2500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	130
7	Single Bend Radius(mm)	38.00
8	Repeated Bend Radius(mm)	76.00
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	6000	8000	10000	12400	16000	18000
Attenuation (dB/m)	0.176	0.252	0.312	0.451	0.527	0.596	0.671	0.773	0.826
Average Power (KW)	1.892	1.319	1.066	0.736	0.630	0.558	0.495	0.430	0.402

$$K1=0.5364170$$

$$K2=0.0005910$$

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



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