

CFP640

Flexible, Low-Loss,

Resistance to High Power RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.57	Silver Plated Copper
2	Insulating	4.72	LD-PTFE
3	Outer Conductor	4.96	Silver Plated Copper Ribbon
4	Sandwich layer	5.10	Aluminum Foil
5	Shielding	5.66	Silver Plated Copper
6	Jacket	6.35	FEP

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	2000
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	93
7	Single Bend Radius(mm)	32.00
8	Repeated Bend Radius(mm)	64.00
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)	0.222	0.317	0.392	0.564	0.658	0.742	0.834	0.958	1.022
Average Power (KW)	1.020	0.713	0.578	0.401	0.344	0.305	0.271	0.236	0.221

$$K1=0.6827430$$

$$K2=0.0005910$$

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



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