

CFP760

Flexible, Low-Loss, Resistance to High Power,
Phase & Amplitude Stable Coaxial Cable



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 (High temperature)
5	Shielding	6.81	Silver Plated Copper
6	Jacket	7.62	FEP

Specification

1	Operating Frequency (GHz)	18
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 5^\circ$ @18GHz
4	Phase Stability (Temperature)	$< 1400\text{PPM}$ @ $-55^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}$ @18GHz
6	Velocity of Propagation	78%
7	Voltage Withstand (V, DC)	2000
8	Shielding Effectiveness (dB)	> 100
9	Weight (g/m)	140
10	Single Bend Radius (mm)	38.00
11	Repeated Bend Radius (mm)	76.00
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +200$

Attenuation VS. Frequency VS. Power

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	16000	18000
Attenuation (dB/m)	0.176	0.252	0.363	0.451	0.527	0.596	0.671	0.773	0.826
Average Power (KW)	1.530	1.098	0.762	0.613	0.524	0.464	0.412	0.358	0.335



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