

## 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	$\leq \pm 5^\circ$ @ 18 GHz
4	Phase Stability (Temperature)	< 1400 PPM @ -55°C ~ +85°C
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz
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 (°C)	-55 ~ +200

### Attenuation VS. Frequency

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				