

# CFS760M

Flexible Better, Ultra Low-Loss,  
Phase & Amplitude Stable Coaxial Cable



## Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	2.39	Silver Plated Copper (Multi-fiber Stranded)
2	Insulating	6.25	LD-PTFE
3	Outer Conductor	6.49	Silver Plated Copper Ribbon
4	Shielding	7.06	Silver Plated Copper
5	Jacket	7.65	PFA

## Specification

1	Operating Frequency (GHz)	18
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz ; $\leq \pm 3^\circ$ @ 18 GHz
4	Phase Stability (Temperature)	< 750 PPM @ -55°C ~ +85°C
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 18 GHz
6	Velocity of Propagation	83%
7	Voltage Withstand (V,DC)	2500
8	Shielding Effectiveness (dB)	> 90
9	Weight (g/m)	137
10	Single Bend Radius (mm)	38.00
11	Repeated Bend Radius (mm)	76.00
12	Temperature Range (°C )	-55 ~ +165

## Attenuation VS. Frequency

Frequency (MHz)	1000	2000	4000	6000	8000	10000	12400	16000	18000				
Attenuation (dB/m)	0.180	0.257	0.367	0.453	0.526	0.592	0.663	0.759	0.809				
Average Power (KW)	1.604	1.126	0.788	0.638	0.549	0.488	0.436	0.381	0.357				