

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	$\leq \pm 2^\circ$ @10GHz; $\leq \pm 3^\circ$ @18GHz
4	Phase Stability (Temperature)	$< 750\text{PPM}$ @ $-55^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}$ @18GHz
6	Velocity of Propagation	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 ($^\circ\text{C}$)	$-55 \sim +165$

Attenuation VS. Frequency VS. Power

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



Add: 569 Huaxu Road, Qingpu Shanghai, P. R. China

Email: sales@mechanc.com

Tel: +86-021-54667179

Web: www.mechanc.com