

CSA800

Super Flexible, Low-Loss,

Resistance to Harsh Environment Coaxial Cable



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.88	Silver Plated Copper ((Multi-fiber Stranded))
2	Insulating	5.50	LD-PTFE
3	Outer Conductor	5.74	Silver Plated Copper Ribbon
4	Shielding	6.31	Silver Plated Copper
5	Jacket	8.00	PUR

Specification

1	Operating Frequency (GHz)	18
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 4^\circ$ @18GHz
4	Phase Stability (Temperature)	$< 1300\text{PPM}@-55^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}@18\text{GHz}$
6	Velocity of Propagation	76%
7	Voltage Withstand (V, DC)	1700
8	Shielding Effectiveness (dB)	> 90
9	Weight (g/m)	130
10	Single Bend Radius (mm)	40.00
11	Reapted Bend Radius (mm)	80.00
12	Temperature Range (°C)	$-55 \sim +85$

Attenuation VS. Frequency VS. Power

Frequency (MHz)	300	500	1000	2000	3000	4000	6000	8000	10000	12400	18000
Attenuation (dB/m)	0.095	0.125	0.182	0.267	0.338	0.399	0.509	0.607	0.698	0.800	1.019
Average Power (KW)	0.626	0.477	0.327	0.222	0.176	0.149	0.117	0.098	0.085	0.074	0.058



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

Email: sales@mechanc.com

Tel: +86-021-54667179

Web: www.mechanc.com