

CSA800

Super Flexible, Low-Loss,

Withstands Harsh Outdoor Environments RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.88	Silver Plated Copper (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	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	2000
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	116
7	Single Bend Radius(mm)	40.00
8	Repeated Bend Radius(mm)	80.00
9	Temperature Range(°C)	-40~+85

Attenuation (Typical@25°C & VSWR=1.0) VS. Frequency VS. Power (VSWR=1.0; 40°C; Sea Level)

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/m)	0.182	0.267	0.338	0.509	0.607	0.698	0.800	1.019
Average Power (KW)	0.327	0.222	0.176	0.117	0.098	0.085	0.074	0.058

$$K1=0.5173150$$

$$K2=0.0018060$$

$$\text{Calculate Attenuation} = K1*\sqrt{\text{FMHz}}+K2*\text{FMHz}$$



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