

CFP460

Flexible, Low-Loss,

Resistance to High Power RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.02	Silver Plated Copper
2	Insulating	3.07	LD-PTFE
3	Outer Conductor	3.27	Silver Plated Copper Ribbon
4	Sandwich layer	3.43	Aluminum Foil
5	Shielding	4.00	Silver Plated Copper
6	Jacket	4.60	FEP

Specification

1	Operating Frequency(GHz)	18
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	1500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	53
7	Single Bend Radius(mm)	23.00
8	Repeated Bend Radius(mm)	46.00
9	Temperature Range(°C)	-55~+200

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	16000	18000
Attenuation (dB/m)	0.354	0.504	0.620	0.888	1.032	1.160	1.299	1.487	1.583
Average Power (KW)	0.569	0.400	0.324	0.227	0.195	0.174	0.155	0.135	0.127

K1=1.0994850

K2=0.0006020

Calculate Attenuation = $K1 \cdot \sqrt{F} + K2 \cdot F$



ADD: No. 299 Songqiu Rd, Shanghai China

WEB: www.mechanc.com

TEL: +86-021-5466 7179 (+86 150 0036 1136)

MAIL: hgh@mechanc.com