CFP520

Flexible, Low-Loss,

Resistance to High Power RF Coaxial Cable

Ver: S-A01

Structure & Dimension

	Structure	Dimension（mm）	Material
1	Inner Conductor	1.29	Silver Plated Copper
2	Insulating	3.85	LD-PTFE
3	Outer Conductor	4.05	Silver Plated Copper Ribbon
4	Sandwich layer	4.20	Aluminum Foil
5	Shielding	4.80	Silver Plated Copper
6	Jacket	5.20	FEP

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)	67
7	Single Bend Radius(mm)	26.00
8	Repeated Bend Radius(mm)	52.00
9	Temperature Range(℃)	-55～+200

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

Frequency（MHz）	1000	2000	3000	6000	8000	10000	12400	16000	18000
Attenuation（dB/m）	0.277	0.395	0.487	0.699	0.813	0.915	1.027	1.178	1.255
Average Power（KW）	0.750	0.526	0.426	0.297	0.255	0.227	0.202	0.176	0.165

K1=0.8562340 K2=0.0005910

Calculate Attenuation ＝ K1*√FMHz+K2*FMHz

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