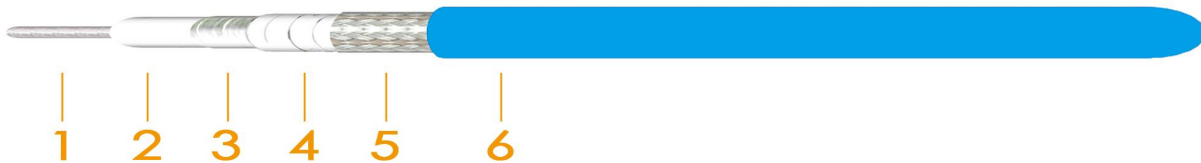


CFN220

Flexible, Low-Loss,

Excellent Temperature Phase Stability Characteristics RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.51	Silver Plated Copper
2	Insulating	1.40	Lotus Shaped Plastic
3	Outer Conductor	1.56	Silver Plated Copper Ribbon
4	Shielding	1.87	Silver Plated Copper
5	Jacket	2.20	FEP

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Velocity of Propagation	82%
4	Voltage Withstand (V,DC)	400
5	Shielding Effectiveness(dB)	≥90
6	Phase Stability vs. Temperature(PPM)	≤300 @-40~+60℃
7	Weight(g/m)	13
8	Single Bend Radius(mm)	9.00
9	Repeated Bend Radius(mm)	22.00
10	Temperature Range(℃)	-55~+165

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

Frequency (MHz)	300	1000	2000	3000	4000	6000	8000	10000	12000	18000	26500	40000
Attenuation (dB/m)	0.359	0.663	0.946	1.167	1.356	1.677	1.953	2.200	2.426	3.021	3.737	4.704
Average Power (KW)	0.300	0.163	0.114	0.092	0.079	0.064	0.055	0.049	0.044	0.036	0.029	0.023

$$K1=0.6244875$$

$$K2=0.0004644$$

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



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