

CFS480

Flexible, Ultra Low-Loss,

Phase & Amplitude Stable RF Coaxial Cable

Ver: B-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.40	Silver Plated Copper
2	Insulating	3.75	LD-PTFE
3	Outer Conductor	3.95	Silver Plated Copper Ribbon
4	Shielding	4.35	Silver Plated Copper
5	Jacket	4.80	FEP

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Velocity of Propagation	83%
4	Voltage Withstand (V,DC)	1500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	55
7	Single Bend Radius(mm)	24.00
8	Repeated Bend Radius(mm)	48.00
9	Temperature Range(°C)	-55~+165

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	12000	12400	18000	26500
Attenuation (dB/m)	0.241	0.342	0.421	0.601	0.697	0.783	0.861	0.876	1.066	1.308
Average Power (KW)	1.050	0.738	0.600	0.420	0.362	0.323	0.293	0.288	0.237	0.193

$$K1=0.7504000$$

$$K2=0.0003280$$

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



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