

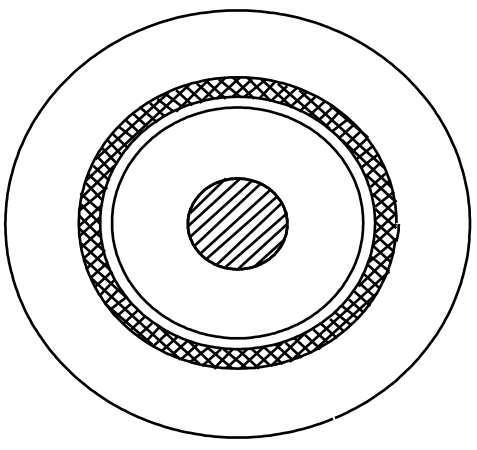


Low Loss CFD400/8D Cable

Physical Characteristics

Center Conductor	2.74mm(copper-clad aluminum)
PEF Dielectric Diameter	7.24mm
Binder	Sealed Aluminum Mylar Tape
Braid Shield	Tinned Copper Wire Coverage: 85% ↑
Jacket	PVC or PE
Overall Diameter	10.3±0.25mm
Minimum Bend Radius	25.4mm

Low Loss CFD400/8D Cable Electrical Characteristics

Impedance	50 ± 2ohms		
Capacitance	23.9 pf/ft		
Velocity of Propagation	85%		
Maximum Attenuation(dB/100M) & Average Handling Power 	Freq.	Attenuation(dB/100M)	Power(KW)
	30MHz	2.2	3.33
	150MHz	5.0	1.47
	450MHz	8.9	0.83
	900MHz	12.8	0.58
	1500MHz	16.8	0.44
	2GHz	19.6	0.37
	2.5GHz	22.2	0.33
	5.8GHz	35.5	0.21

整條 Assembly 之 Loss 為以下 3 項數值之加總

- 1.接頭 Loss : $0.06 \times \sqrt{\text{頻率}}$ (2 端都有接頭則需將此數值 x2)
- 2.組裝 Loss : 0.12 (2 端都有組裝則需將此數值 x2)
- 3.線材 Loss : 依上述 Maximum Attenuation 換算需求長度之 Loss

Specifications:

Electrical:

Frequency:DC-5.8GHz

Material:

1.SMA Connector:

Center Pin:Brass/Gold

Insulator:Teflon

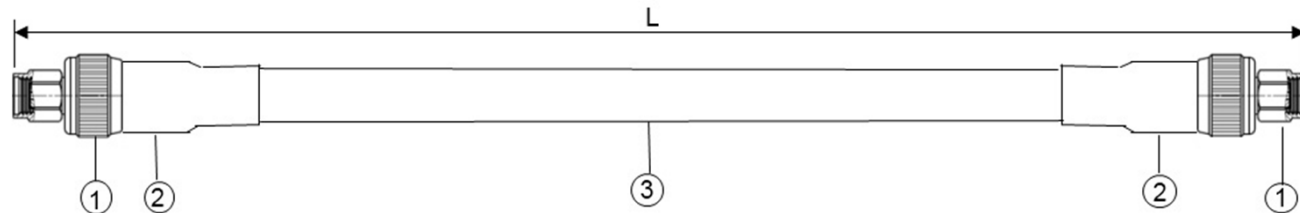
Body:Brass/Gold

2.Heat Shrink Tube:

Color:Black

3.Cable:

CFD400 Coaxial Cable



General Tolerance				  Woken Technology Inc.	
0.5~10mm			±0.2	CODE	DWG TITLE
11~100mm			±5.0		
101~500mm			±10.0		
501~1000mm			±15.0		SMA(M)-SMA(M) for CFD400 Cable Assembly
1001~2000mm			±20.0		
2000~5000mm			±50.0		
UNLESS OTHERWISE SPECIFIED				SIZE A4	DWG NO. 00100A1E9A1XXX
THIRD ANGLE PROJECTION		DRAWN	Terence		
		ENGR	Jack		
		APVD	James	REV A	