



00100A1E9N1XXX

Cable Assembly

5.8GHz N(M)–SMA(M) for CFD400 Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Test Report

Electrical Specifications

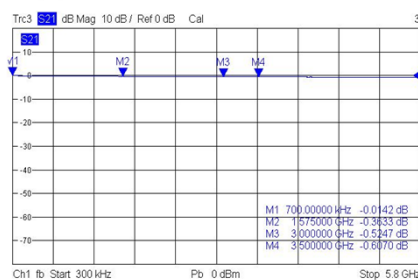
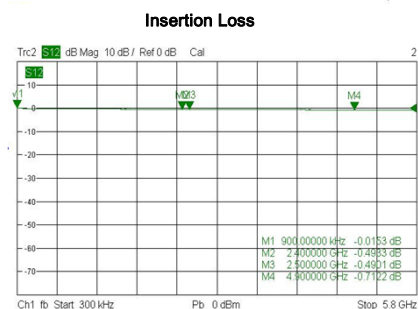
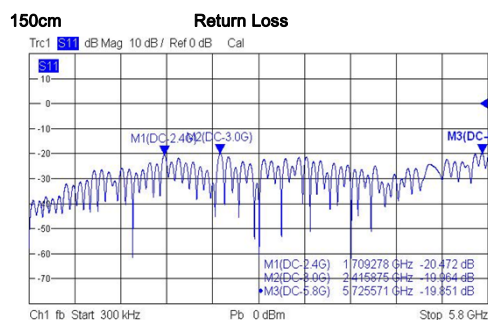
Frequency	DC-5.8GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	N Male
Connection 2	SMA Male

Material

Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
2.Cable		
CFD400 Coaxial Cable		Black
3.N Connector		
Body	Brass	Nickel
Center Pin	Brass	Gold
Insulator	Teflon	
4.Heat Shrink Tube		
		Black

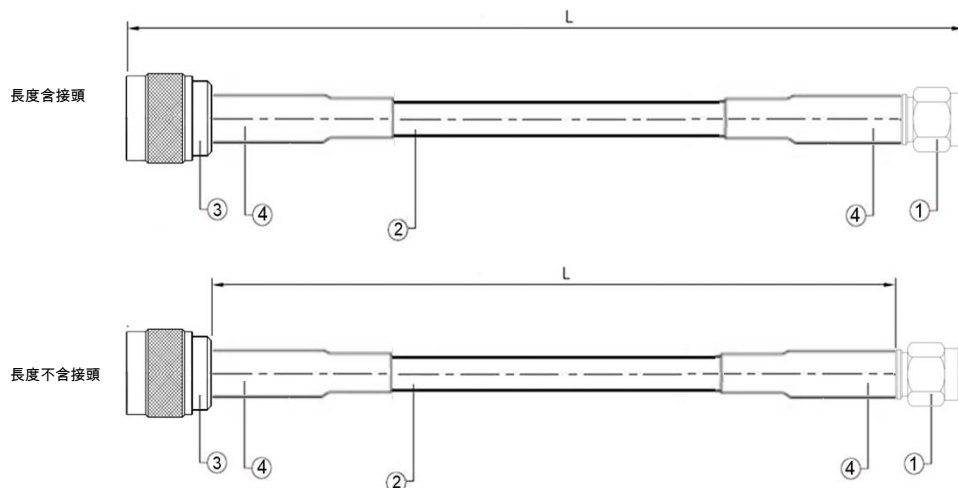
Mechanical

Durability	500 Cycles
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Outling Drawing (Unit:mm)

DIMENSIONS	TOLERANCES
0.5~10mm	±0.2
11~100mm	±5.0
101~500mm	±10.0
501~1000mm	±15.0
1001~2000mm	±20.0
2000~5000mm	±50.0





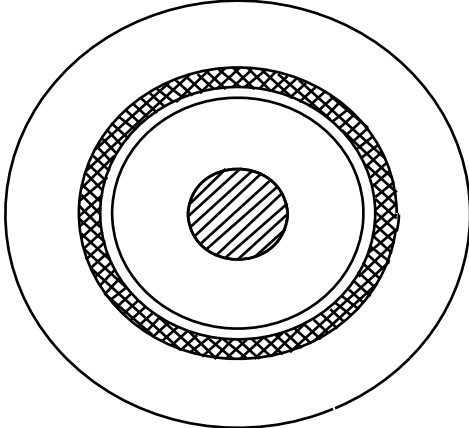
Wake up your further dream.



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 x √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