



00109N1N2N105C

Cable Assembly

5.8GHz Hex N(M)–Hex N(M) for 200cm CFD600 Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Test Report

Electrical Specifications

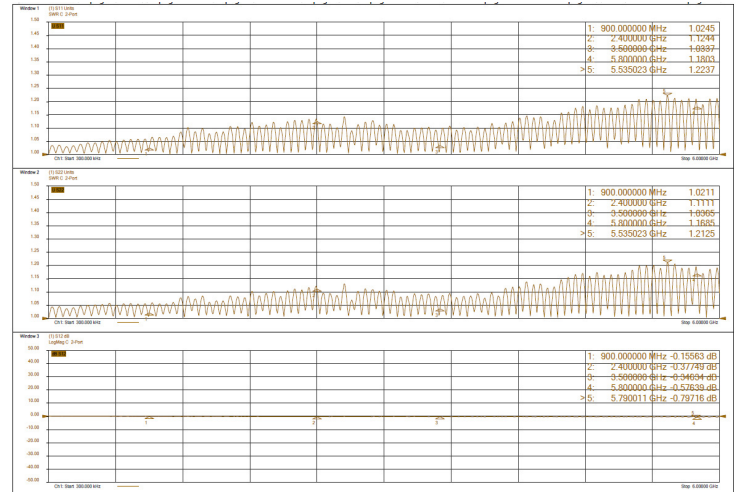
Frequency	DC-5.8GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	Hex N Male
Connection 2	Hex N Male

Material

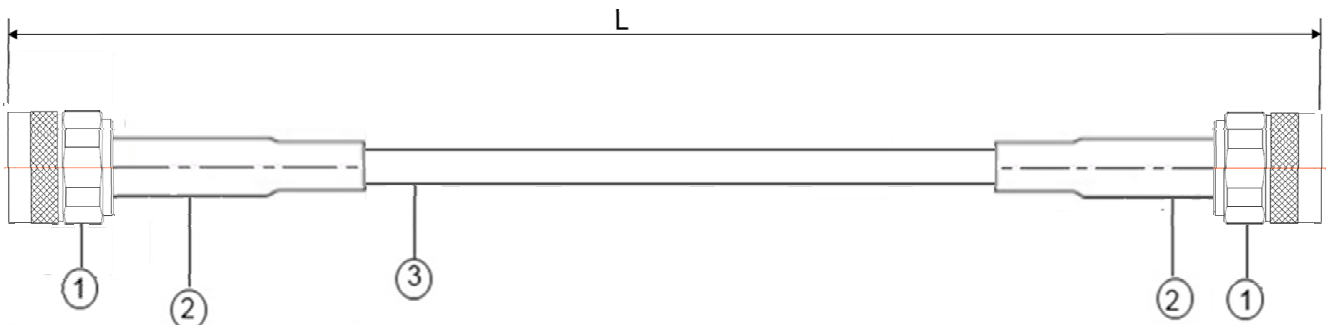
Part	Material	Plated
1. N Connector		
Body	Brass	Tri-Matal
Center Pin	Beryllium copper	Gold
Insulator	PTFE	
2. Adhesive shrink tube		
		Black
3. Cable		
CFD600 Coaxial Cable		Black

Mechanical

Durability	500 Cycles
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Outling Drawing (Unit:mm) Tolerance: $\pm L \times 0.003$



All Specification Changed Without Notification.



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Low Loss CFD600 Cable Physical Characteristics

Center Conductor	Diameter	4.47±0.02mm
	Material	Solid Copper Claded Aluminum Wire
Dielectric	Diameter	11.56±0.15mm
	Material	Foam Polyethylene
Outer Conductor	Diameter	11.73±0.01mm
	Material	Bonded AL/P-Foil
Shield	Coverage	92%
	Material	Tinned Copper
	Diameter	12.56±0.10mm
Jacket	Diameter	14.99±0.15mm
	Material	PE
Min. Static Bending Radius	38.5mm	
Min. Dynamic Bending Radius:	153mm	

Low Loss CFD600 Cable Electrical Characteristics

Impedance	50±2 ohms	
Capacitance	77 pf/m	
Operating Temperature	-40~+85°C	
Velocity of propagation	87%	
VSWR	1.25(Max.)@5.8GHz	
Nom. Attenuation(dB/M)	150MHz	0.032
	450MHz	0.056
	900MHz	0.082
	1.5GHz	0.109
	2.0GHz	0.128
	2.5GHz	0.145
	5.8GHz	0.238

整條 Assembly 之 Loss 為以下 3 項數值之加總

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- 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