



00100A1B8T1XXX

Cable Assembly

2.5GHz SMA(M)–TNC(M) for CFD200 Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Electrical Specifications

Frequency	DC-2.5GHz
VSWR	1.45:1(Max.)
Impedance	50Ohm
Connection 1	SMA Male
Connection 2	TNC Male

Material

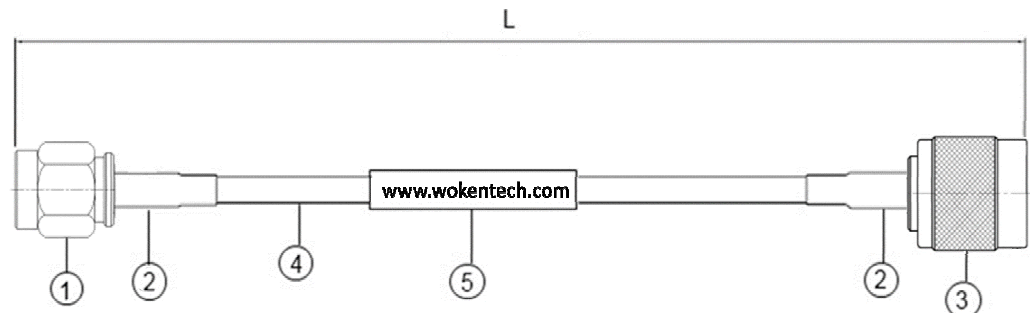
Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
2.Adhesive shrink tube		
		Black
3.Cable		
CFD200 Coaxial Cable		Black
4.TNC Connector		
Body	Brass	Nickel
Center Pin	Brass	Gold
Insulator	Teflon	
5.Heat Shrink Tube		
		Yellow

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





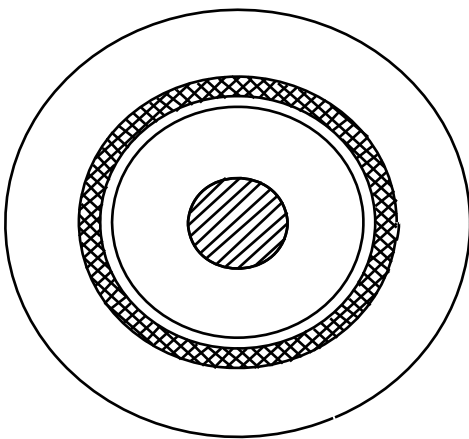
Wake up your further dream.



CFD200 Physical Characteristics

Center Conductor	1.12mm(bare copper solid)
PEF Dielectric Diameter	2.95mm
Binder	Sealed Aluminum Mylar Aluminum Tape
Braid Shield	Tinned Copper Wire Coverage: 88% ↑
Jacket	PVC
Overall Diameter	5mm
Minimum Bend Radius	12.7mm
Operating Temp.	-40~ 85°C

CFD200 Electrical Characteristics

Impedance	50 ± 2ohms		
Capacitance	24.5 pf/ft		
Velocity of Propagation	83%		
Shielding Effectiveness	<-90 dB		
VSWR	1.3(Max.)@30-2,500MHz		
Maximum Attenuation(dB/M) & Average Handling Power 	Freq.	Attenuation(dB/M)	Power(W)
	30MHz	0.058	1020
	150MHz	0.131	450
	450MHz	0.228	260
	900MHz	0.326	180
	1500MHz	0.424	140
	2GHz	0.493	120
	2.5GHz	0.554	110
	5.8GHz	0.865	70

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