



00100N1L1N1XXX

Cable Assembly

75Ω N(M)–N(M) for RG59 Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR

Electrical Specifications

Impedance	75Ohm
Connection 1	N Male
Connection 2	N Male

Material

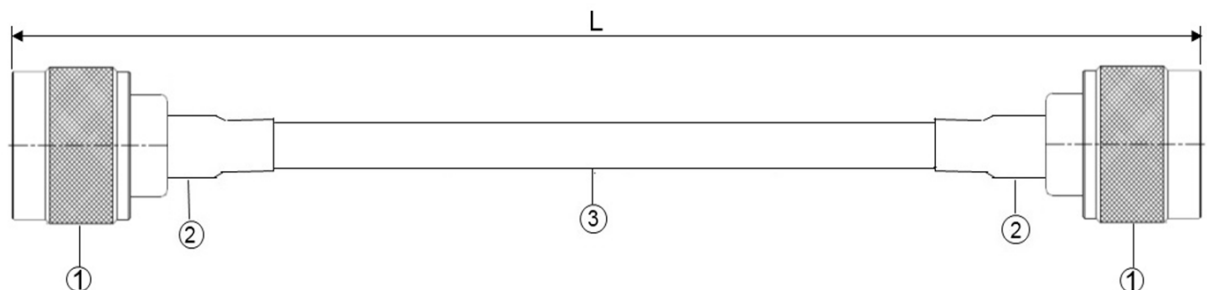
Part	Material	Plated
1.F Connector		
Body	Brass	Nickel
Center Pin	Brass	Gold over Nickel
Insulator	Teflon	
2.Heat Shrink Tube		Black
3.Cable		
RG59 Coaxial Cable		Black

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

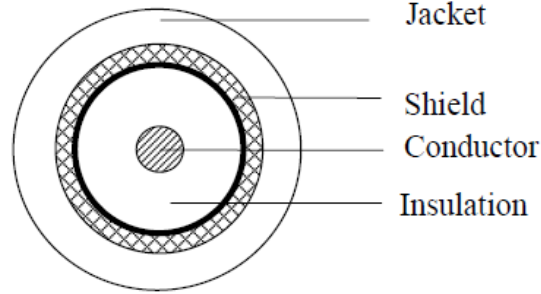




RG59 Cable Physical Characteristics

Center Conductor	Composition(No./mm)	1/0.65mm
	Standard Diameter	0.65±0.02mm Bare Copper Wire
Insulation	Average Thickness	1.45mm
	Diameter	3.70±0.15mm Solid Polyethylene
Shield	Construction	16*7/0.12mm
	Coverage	90%
	Diameter	4.2±0.1mm Bare Copper Wire
Jacket	Overall Diameter	6.0±0.15mm PVC(Black)

RG59 Cable Electrical Characteristics

Impedance	75 ± 3ohms	
Capacitance	69±3pF/m	
Maximum Attenuation(dB/100M) @ 	100MHz	11.2
	200MHz	16.1
	400MHz	23.2
	700MHz	31.8
	900MHz	36.5

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