



00100F1L1F2XXX

Cable Assembly

3GHz 75Ω F(M)–F(F) for RG59 Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Electrical Specifications

Frequency	DC-3GHz
VSWR	1.5:1:(Max.)
Impedance	75Ohm
Connection 1	F Male
Connection 2	F Female

Material

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

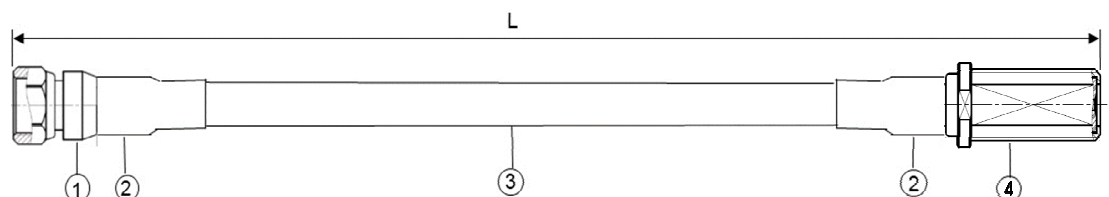
Mechanical

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

F Male Pin size: Φ0.9mm





Wake up your further dream.



RG59 Cable Physical Characteristics

Center Conductor	Diameter	0.58mm Silver Plated Copper
Insulation	Diameter	2.59mm PE
Outer Conductor	Diameter	2.7mm AL Foil
Shield	Diameter	3.15mm Silver Coated Copper
Jacket	Overall Diameter	4.05m PVC(Black)
Min. Bending Radius		46mm

RG59 Cable Electrical Characteristics

Impedance	75 $\pm$ 3ohms	
Capacitance	53pF/m	
Velocity of propagation	83%	
Shielding Effectiveness	70dB(Min.)	
Operating Temperature	-20~75°C	
	100MHz	0.111
	270MHz	0.178
	540MHz	0.257
	720MHz	0.298
	1000MHz	0.354
	2000MHz	0.502
	3000MHz	0.623

整條 Assembly 之 Loss 為以下 3 項數值之加總

1. 接頭 Loss : 0.06 x $\sqrt{\text{頻率}}$ (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