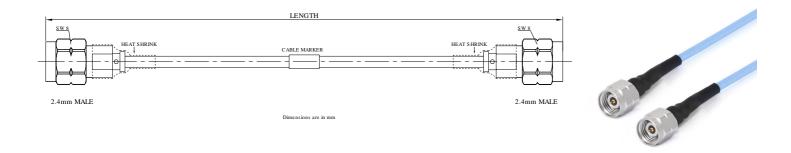


#### P/N: FR712-24M24M-XXX

# 2.4mm Male to 2.4mm Male Cable Assembly | 086" Semi-Flexible Coax Cable with FEP Jacket | DC - 50GHz



## **Connectors Configuration**

Connector 1 Connector 2 **Connector Series** 2.4mm 2.4mm Standard Connector Polarity Standard Connector Gender Male Male Connector Impedance (Ohm) 50 50 Connector Body Style Straight Straight Connector Body Material Stainless Steel Stainless Steel Connector Body Plating Passivated **Passivated** 

## **Cable Configuration**

Cable Type .086" Semi-Flexible cable

Cable Impedance (Ohm) 50

Inner Conductor Material Silver Plated Copper Covered Steel (SCCS)

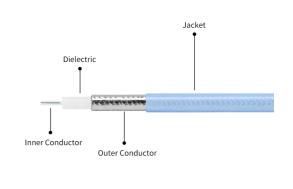
Dielectric Material Solid extruded PTFE

Number of Shields 1

Shield Layer 1 Material Tin Plated Copper

Jacket MaterialFEPCable Diameter (mm)2.54Cable ColorBlueMinimum Bend Radius (mm)6Capacitance (pF/m)94Velocity of Propagation71%

Shielding Effectiveness > -110dB @ 1GHz





#### P/N: FR712-24M24M-XXX

2.4mm Male to 2.4mm Male Cable Assembly | 086" Semi-Flexible Coax Cable with FEP Jacket | DC - 50GHz

## **Electrical Data**

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 50GHz	14dB to 50GHz	1.32 to 40GHz
150	±3			1.63 to 40GHz
200	±3			1.94 to 40GHz
250	±3			2.25 to 40GHz
300	±5			2.56 to 40GHz
400	±5			3.21 to 40GHz
500	±5			3.82 to 40GHz

## **Enviromental Specifications**

**RoHS Compliant** 

Operating Temperature Range

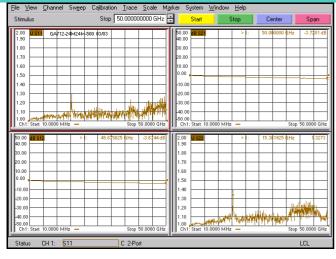
MIL/STD

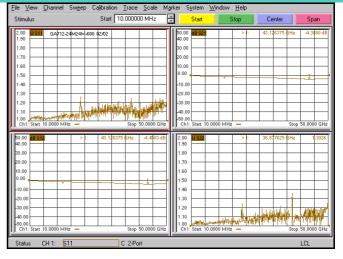
Yes

-40 °C to +80 °C

N/A

### Test Report for Cable assembly





\*Note:Test Cable Assembly Length = 500 mm

\*Note:Test Cable Assembly Length = 600 mm

#### Flexi RF Inc