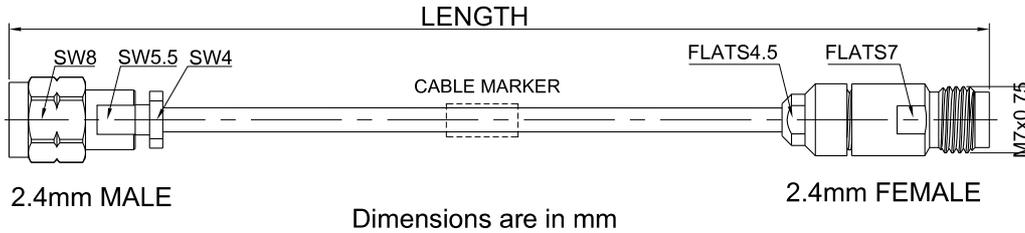


P/N: FR711-24M24F-XXX

## 2.4mm Male to 2.4mm Female Cable Assembly | .086" Semi-Flexible Coax Cable Without FEP Jacket | DC - 50GHz

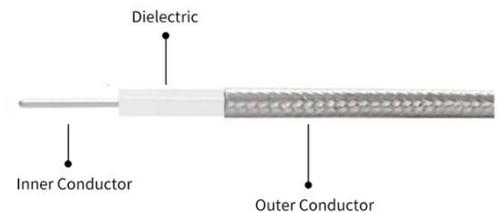


### Connectors Configuration

|                           | Connector 1     | Connector 2     |
|---------------------------|-----------------|-----------------|
| Connector Series          | 2.4mm           | 2.4mm           |
| Connector Polarity        | Standard        | Standard        |
| Connector Gender          | Male            | Female          |
| 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                         |
| Cable Diameter (mm)      | 2.2                                       |
| Cable Color              | Silver                                    |
| Minimum Bend Radius (mm) | 6   |
| Capacitance (pF/m)       | 94  |
| Velocity of Propagation  | 71%                                       |
| Shielding Effectiveness  | < -110dB @ 1GHz                           |



P/N: FR711-24M24F-XXX

2.4mm Male to 2.4mm Female Cable Assembly | .086" Semi-Flexible Coax Cable Without FEP Jacket | DC - 50GHz

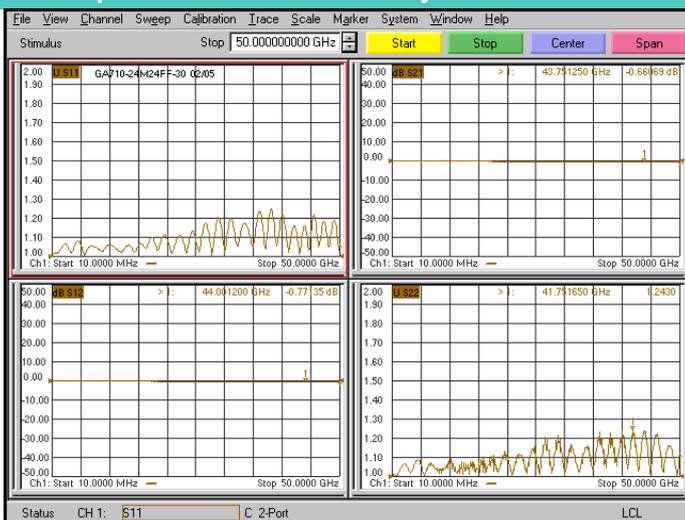
## Electrical Data

| Electrical Specifications for Different Length |                       |            |                    |                       |
|--|-----------------------|------------|--------------------|-----------------------|
| Length (mm)                                    | Length Tolerance (mm) | Frequency  | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100  | ±3                    | DC - 50GHz | ≤1.35              | 1.32                  |
| 150  | ±3                    |            |                    | 1.63                  |
| 200  | ±3                    |            |                    | 1.94                  |
| 250  | ±3                    |            |                    | 2.25                  |
| 300  | ±5                    |            |                    | 2.56                  |
| 400  | ±5                    |            |                    | 3.21                  |
| 500  | ±5                    |            |                    | 3.82                  |

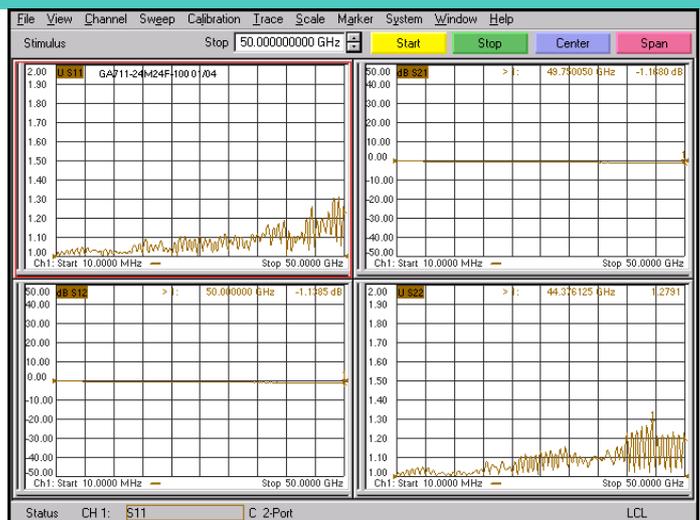
## Environmental Specifications

RoHS Compliant Yes  
 Operating Temperature Range -40°C to +125°C

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 30 mm



\*Note: Test Cable Assembly Length = 100 mm