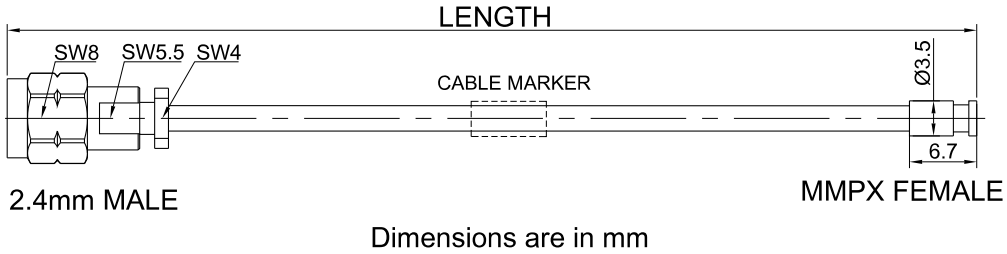
Flexi RF
Reliable RF Components In Stock

# Datasheet

## P/N: FR711-24MMMPXF-XXX

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

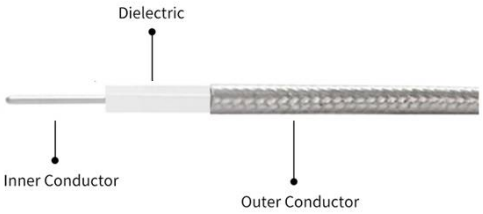


## Connectors Configuration

| | Connector 1 | Connector 2 |
|---|---|---|
| Connector Series | 2.4mm | MMPX |
| Connector Polarity | Standard | Standard |
| Connector Gender | Male | Female |
| Connector Impedance (Ohm) | 50 | 50 |
| Connector Body Style | Straight | Straight |
| Connector Body Material | Stainless Steel | Beryllium Copper |
| Connector Body Plating | Passivated | Gold |

## 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 |





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## Electrical Data

| Electrical Specifications for Different Length | | | | |
|---|---|---|---|---|
| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100 | ±3 | DC - 50GHz | 12dB | 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 |

## Enviromental Specifications

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