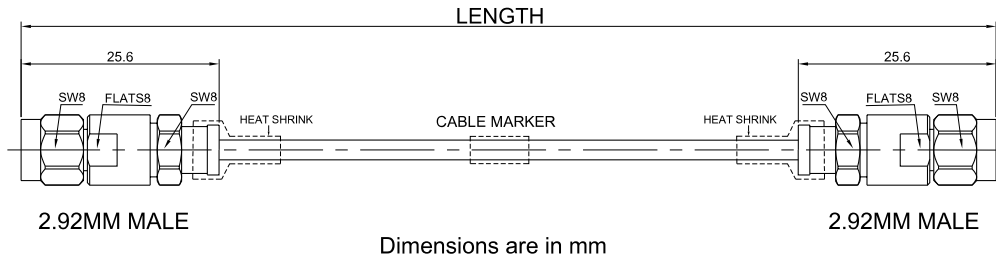


P/N: FRU1-292M292M-XXX

2.92mm Male to 2.92mm Male Cable Assembly | 147A Series Low Loss Phase Stable Flexible Coax Cable | DC - 40GHz | 2.8dB/m@40GHz

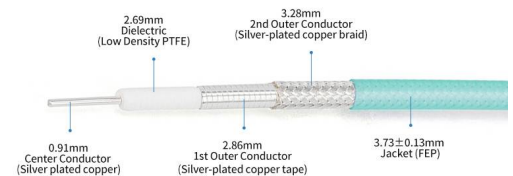


Connectors Configuration

| | Connector 1 | Connector 2 |
|---------------------------|-----------------|-----------------|
| Connector Series | 2.92mm | 2.92mm |
| Connector Polarity | Standard | 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 | GT147A |
| Cable Impedance (Ohm) | 50 |
| Inner Conductor Material | Silver Plated Copper Wire |
| Dielectric Material | LD-PTFE |
| Number of Shields | 2 |
| Shield Layer 1 Material | Silver Plated Copper Tape |
| Shield Layer 2 Material | Silver Plated Copper Braid |
| Jacket Material | FEP |
| Cable Diameter (mm) | 3.73 |
| Cable Color | Turquoise |
| Minimum Bend Radius (mm) | 18 |
| Capacitance (pF/m) | 86 |
| Velocity of Propagation | 77% |
| Shielding Effectiveness | > 100dB @ 1GHz |



P/N: FRU1-292M292M-XXX

2.92mm Male to 2.92mm Male Cable Assembly | 147A Series Low Loss Phase Stable Flexible Coax Cable | DC - 40GHz | 2.8dB/m@40GHz

Electrical Data

| Electrical Specifications for Different Length | | | | |
|--|-----------------------|------------|--------------------|-----------------------|
| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 500 | ±5 | DC - 40GHz | 1.35 to 40GHz | 1.99 to 40GHz |
| 600 | ±5 | | | 2.29 to 40GHz |
| 700 | ±5 | | | 2.59 to 40GHz |
| 800 | ±10 | | | 2.87 to 40GHz |
| 900 | ±10 | | | 3.15 to 40GHz |
| 1000 | ±10 | | | 3.41 to 40GHz |
| 1500 | ±15 | | | 4.82 to 40GHz |
| 2000 | ±20 | | | 6.23 to 40GHz |
| 3000 | ±30 | | | 9.06 to 40GHz |
| 5000 | ±50 | | | 14.66 to 40GHz |

Environmental Specifications

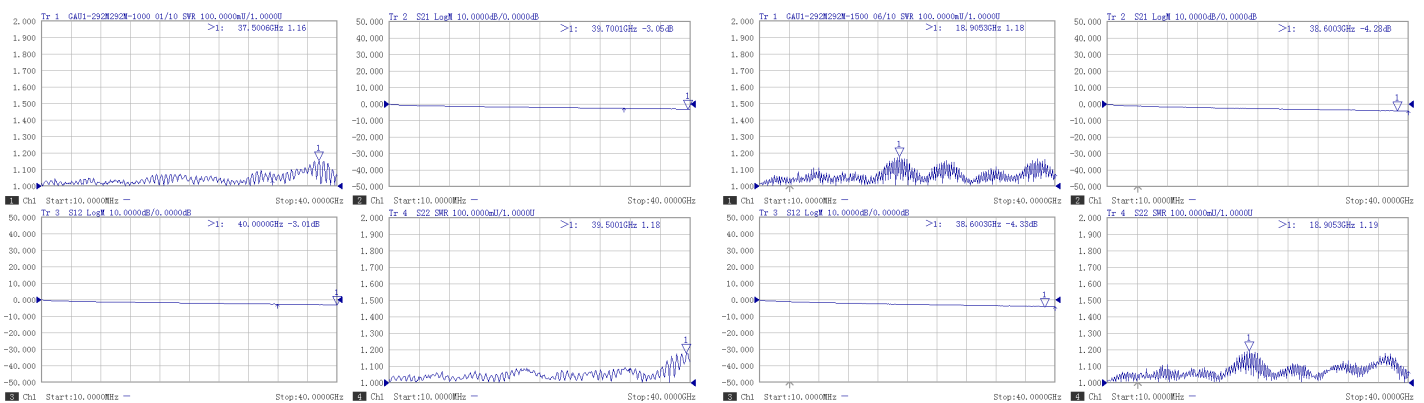
RoHS Compliant

Yes

Operating Temperature Range

-55°C to +125°C

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 1000 mm

*Note: Test Cable Assembly Length = 1500 mm