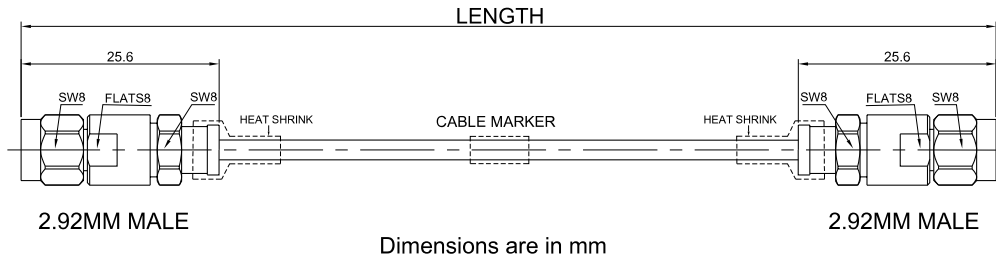


P/N: GAU1-292M292M-XXX

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

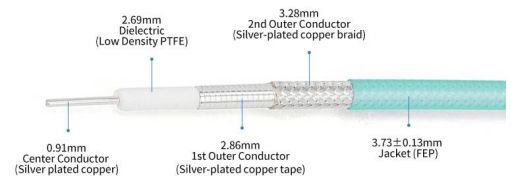


**Connectors Configuration**

|                           | 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: GAU1-292M292M-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**

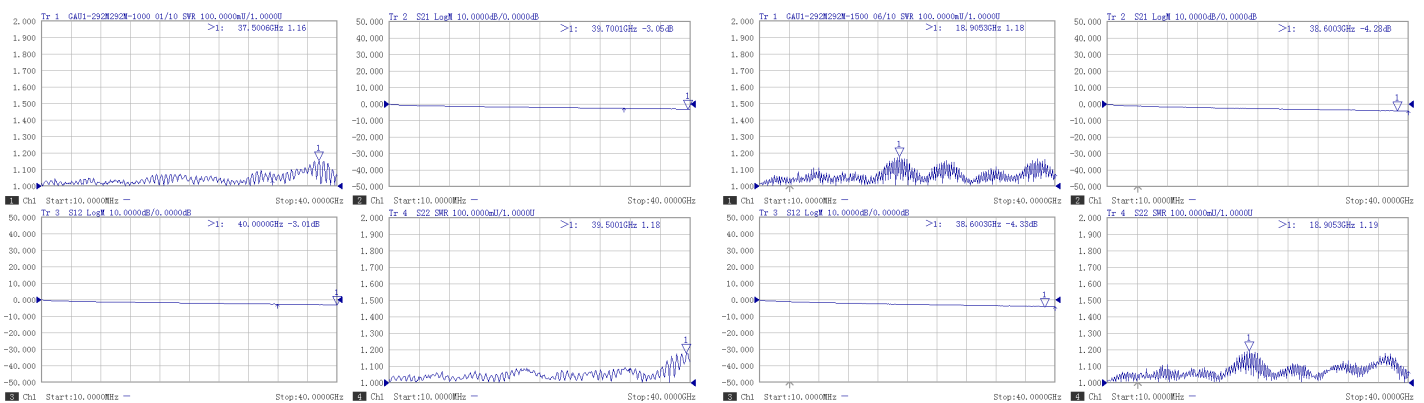
RoHS Compliant

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