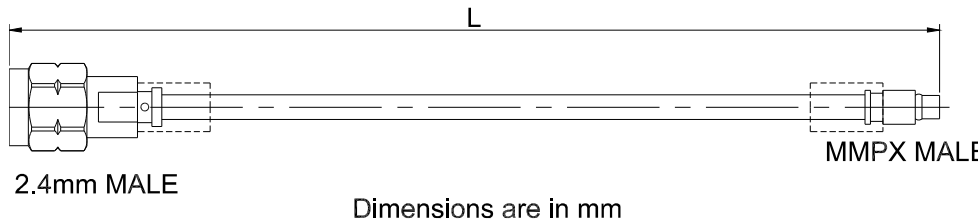


P/N: GAU2-24MMMPXM-XXX

**2.4mm Male to MMPX Male Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | Cable Dia.2.2mm | DC - 50GHz**

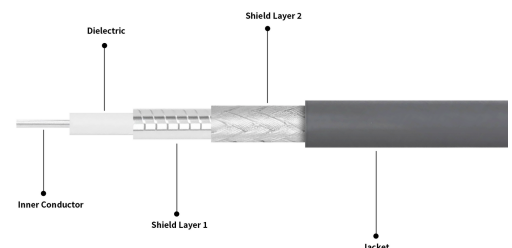


## Connectors Configuration

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

## Cable Configuration

|                          |                            |
|--------------------------|----------------------------|
| Cable Type               | GT3506 flexible cable      |
| 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)      | 2.2                        |
| Cable Color              | Gray                       |
| Minimum Bend Radius (mm) | 11                         |
| Capacitance (pF/m)       | 94                         |
| Velocity of Propagation  | 82%                        |
| Shielding Effectiveness  | < -100dB @ 1GHz            |



P/N: GAU2-24MMMPXM-XXX

2.4mm Male to MMPX Male Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | Cable Dia.2.2mm | 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 | 10dB to 50GHz      | 1.15 to 50GHz         |
| 200  | ±3                    |            |                    | 1.45 to 50GHz         |
| 300  | ±5                    |            |                    | 2.1 to 50GHz          |
| 500  | ±5                    |            |                    | 3.32 to 50GHz         |
| 800  | ±10                   |            |                    | 5.0 to 50GHz          |
| 1000   | ±10                   |            |                    | 5.78 to 50GHz         |
| 1500   | ±15                   |            |                    | 8.53 to 50GHz         |
| 2000   | ±20                   |            |                    | 10.94 to 50GHz        |

## Enviromental Specifications

|                             |                   |
|-----------------------------|-------------------|
| RoHS Compliant              | Yes               |
| Operating Temperature Range | -55 °C to +125 °C |