



\* Label and Shrinking tube design depend on customer's request.

### Configuration

|                           |                            |
|---------------------------|----------------------------|
| Connector 1 Type          | N Male                     |
| Connector 1 Body Style    | Straight                   |
| Body Material and Plating | Passivated Stainless Steel |
| Connector 1 Mount Method  | None                       |
| Connector 2 Type          | N Male                     |
| Connector 2 Body Style    | Straight                   |
| Body Material and Plating | Passivated Stainless Steel |
| Connector 2 Mount Method  | None                       |
| Cable Type                | GT311A                     |

### Electrical Specifications

|                             |                                      |
|-----------------------------|--------------------------------------|
| Impedance                   | 50 $\Omega$                          |
| Frequency                   | DC to 18 GHz                         |
| Return Loss/VSWR            | 1.30 to 18 GHz                       |
| Phase Stability vs. Flexure | 5° @ 18GHz                           |
| Shielding Effectiveness     | <-100dB @ 1GHz                       |
| Phase Matching              | On Request                           |
| Signal Delay                | On Request                           |
| Power Handling              | 780watt @ 5GHz at sea level, VSWR1.0 |

### Environmental Data

|                   |                |
|-------------------|----------------|
| Temperature Range | -40°C to +85°C |
| RoHS              | Compliant      |

### Cable Specifications

|                            |                      |
|----------------------------|----------------------|
| Center Conductor           | Silver plated copper |
| Dielectric                 | Low Density PTFE     |
| Jacket                     | FEP                  |
| Capacitance(pF/m)          | 80.4                 |
| Velocity of propagation(%) | 83                   |
| Min. bending radius(mm)    | 31.75                |
| Jacket Diameter(mm)        | 7.9                  |
| Weight(kg/100m)            | 13.78                |

### Armor Specifications

|                         |   |
|-------------------------|---|
| Armor Type              | Polyurethane Jacket Over Braid Stainless Steel Spiral |
| Min. bending radius(mm) | 38.1  |
| Diameter(mm)            | 14.4  |
| Weight(kg/100m)         | 20.3  |

## Part Number List

| Part Number       | Length [mm] | Insertion Loss ≤(dB) |      |       |       |
|-------------------|-------------|----------------------|------|-------|-------|
|                   |             | 3GHz                 | 6GHz | 10GHz | 18GHz |
| GAA2-NMNM-12000A1 | 12000±30    | 3.29                 | 4.73 | 6.21  | 8.53  |
| GAA2-NMNM-10000A1 | 10000±30    | 2.77                 | 3.98 | 5.22  | 7.17  |
| GAA2-NMNM-8000A1  | 8000±30     | 2.25                 | 3.23 | 4.23  | 5.81  |
| GAA2-NMNM-6000A1  | 6000±30     | 1.73                 | 2.48 | 3.25  | 4.45  |
| GAA2-NMNM-5000A1  | 5000±30     | 1.48                 | 2.11 | 2.75  | 3.78  |
| GAA2-NMNM-3000A1  | 3000±30     | 0.94                 | 1.35 | 1.77  | 2.42  |
| GAA2-NMNM-2000A1  | 2000±20     | 0.68                 | 0.98 | 1.27  | 1.74  |
| GAA2-NMNM-1500A1  | 1500±15     | 0.55                 | 0.79 | 1.03  | 1.39  |
| GAA2-NMNM-1200A1  | 1200±12     | 0.47                 | 0.67 | 0.88  | 1.19  |
| GAA2-NMNM-1000A1  | 1000±10     | 0.42                 | 0.59 | 0.8   | 1.06  |
| GAA2-NMNM-500A1   | 500±10      | 0.29                 | 0.41 | 0.53  | 0.73  |

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