



\* 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 Staindless Steel |
| Connector 1 Mount Method  | None                        |
| Connector 2 Type          | N Male                      |
| Connector 2 Body Style    | Straight                    |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 2 Mount Method  | None                        |
| Cable Type                | 210B Series                 |

## Electrical Specifications

|                             |                                     |
|-----------------------------|-------------------------------------|
| Impedance                   | 50 $\Omega$                         |
| Frequency                   | DC to 18 GHz                        |
| Return Loss/VSWR            | 1.25 to 18 GHz                      |
| Phase Stability vs. Flexure | 2°@ 18GHz                           |
| Amplitude Stability         | N/A                                 |
| Shielding Effectiveness     | <-100dB @ 1GHz                      |
| Phase Matching              | On request                          |
| Signal Delay                | On request                          |
| Power Handling              | 380watt @ 5GHz at sea level,VSWR1.0 |

## Environmental Data

|                   |                |
|-------------------|----------------|
| Temperature Range | -40°C to +80°C |
| 2002/95/EC(RoHS)  | Compliant      |

**Cable Specifications**

|                            |                      |
|----------------------------|----------------------|
| Center Conductor           | Silver plated copper |
| Dielectric                 | Low Density PTFE     |
| Jacket                     | FEP                  |
| Capacitance(pF/m)          | 86                   |
| Velocity of propagation(%) | 77                   |
| Min. bending radius(mm)    | 9.65                 |
| Jacket Diameter(mm)        | 5.33±0.13            |

**Armor Specifications**

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| Armor Type              | Stainless Steel Interlocked Hose With Polyurethane Jacket |
| Min. bending radius(mm) | 44.0                                                      |
| Diameter(mm)            | 10                                                        |

**Part Number List**

| Part Number       | Length<br>[mm] | Insertion Loss ≤(dB) |       |       |       |
|-------------------|----------------|----------------------|-------|-------|-------|
|                   |                | 3GHz                 | 6GHz  | 10GHz | 18GHz |
| GAU8-NMNM-12000A4 | 12000±30       | 7.39                 | 10.72 | 14.19 | 19.76 |
| GAU8-NMNM-10000A4 | 10000±30       | 6.18                 | 8.97  | 11.87 | 16.53 |
| GAU8-NMNM-8000A4  | 8000±30        | 4.98                 | 7.22  | 9.56  | 13.30 |
| GAU8-NMNM-6000A4  | 6000±30        | 3.77                 | 5.47  | 7.24  | 10.07 |
| GAU8-NMNM-3000A4  | 3000±30        | 1.97                 | 2.85  | 3.76  | 5.23  |
| GAU8-NMNM-2000A4  | 2000±20        | 1.36                 | 1.97  | 2.61  | 3.62  |
| GAU8-NMNM-1500A4  | 1500±15        | 1.06                 | 1.54  | 2.03  | 2.81  |
| GAU8-NMNM-1200A4  | 1200±12        | 0.88                 | 1.27  | 1.68  | 2.32  |
| GAU8-NMNM-1000A4  | 1000±10        | 0.758                | 1.09  | 1.45  | 1.99  |
| GAU8-NMNM-600A4   | 600±10         | 0.517                | 0.745 | 0.98  | 1.35  |
| GAU8-NMNM-500A4   | 500±10         | 0.457                | 0.658 | 0.864 | 1.19  |

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