



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

| <b>Configuration</b>             |                                       |
|----------------------------------|---------------------------------------|
| Connector 1 Type                 | SMA Female                            |
| Connector 1 Body Style           | Straight                              |
| Body Material and Plating        | Brass Gold Plated                     |
| Connector 1 Mount Method         | None                                  |
| Connector 2 Type                 | SMA Female                            |
| Connector 2 Body Style           | Straight                              |
| Body Material and Plating        | Brass Gold Plated                     |
| Connector 2 Mount Method         | None                                  |
| Cable Type                       | UT-085-Form                           |
| <b>Electrical Specifications</b> |                                       |
| Impedance                        | 50 $\Omega$                           |
| Frequency                        | DC to 26.5 GHz                        |
| Return Loss/VSWR                 | 1.35 to 18 GHz                        |
| Shielding Effectiveness          | <-125dB @ 1GHz                        |
| Phase Matching                   | On Request                            |
| Signal Delay                     | On Request                            |
| Power Handling                   | 141.4Watt @ 1GHz at Sea Level,VSWR1.0 |
| <b>Environmental Data</b>        |                                       |
| Temperature Range                | -45°C to +125°C                       |
| RoHS                             | Compliant                             |

### Cable Specifications

|                            |                      |
|----------------------------|----------------------|
| Center Conductor           | Silver plated copper |
| Dielectric                 | Solid extruded PTFE  |
| Outer Conductor            | Tin Plated Braid     |
| Capacitance(pF/m)          | 95.2                 |
| Velocity of propagation(%) | 70                   |
| Min. bending radius(mm)    | 6                    |
| Jacket Diameter(mm)        | 2.2                  |
| Weight(kg/100m)            | 1.7                  |

### Part Number List

| Part Number       | Length [mm] | Insertion Loss ≤(dB) |      |       |       |
|-------------------|-------------|----------------------|------|-------|-------|
|                   |             | 3GHz                 | 5GHz | 10GHz | 18GHz |
| GA711-SMFSMF-1000 | 1000±10     | 1.33                 | 1.92 | 2.71  | 3.65  |
| GA711-SMFSMF-500  | 500±10      | 0.785                | 0.95 | 1.42  | 2.15  |
| GA711-SMFSMF-300  | 300±10      | 0.53                 | 0.65 | 0.96  | 1.49  |
| GA711-SMFSMF-200  | 200±5       | 0.404                | 0.51 | 0.74  | 1.16  |
| GA711-SMFSMF-100  | 100±5       | 0.27                 | 0.35 | 0.52  | 0.83  |

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