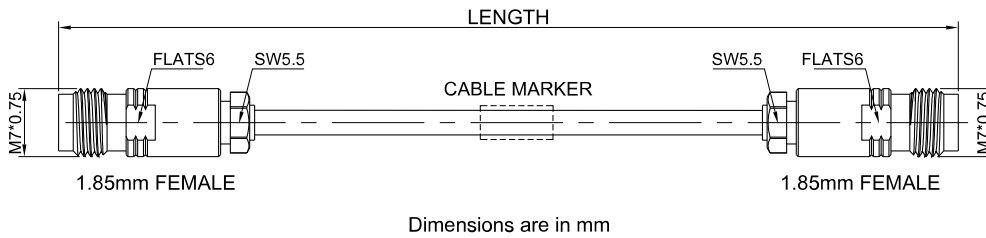


P/N: GA710-185F185F-XXX

**1.85mm Female to 1.85mm Female Cable Assembly | .086" Semi-Rigid GUT-085 (Copper) Coax Cable | DC - 67GHz**



**Connectors Configuration**

|                           | Connector 1     | Connector 2     |
|---------------------------|-----------------|-----------------|
| Connector Series          | 1.85mm          | 1.85mm          |
| Connector Polarity        | Standard        | Standard        |
| Connector Gender          | Female          | Female          |
| Connector Impedance (Ohm) | 50              | 50              |
| Connector Mount Method    | None            | None            |
| Connector Body Style      | Straight        | Straight        |
| Connector Body Material   | Stainless Steel | Stainless Steel |
| Connector Body Plating    | Passivated      | Passivated      |

**Cable Configuration**

|                          |                                 |
|--------------------------|---------------------------------|
| Cable Type               | .086" Semi-rigid Cable (Copper) |
| Cable Impedance (Ohm)    | 50                              |
| Inner Conductor Material | Silver plated copperweld        |
| Dielectric Material      | Solid PTFE                      |
| Shield Layer 1 Material  | Copper                          |
| Cable Diameter (mm)      | 2.2                             |
| Cable Color              | Cooper                          |
| Minimum Bend Radius (mm) | 6mm                             |
| Capacitance (pF/m)       | 95                              |
| Velocity of Propagation  | 70%                             |
| Shielding Effectiveness  | <-120dB @ 1GHz                  |



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1.85mm Female to 1.85mm Female Cable Assembly | .086" Semi-Rigid GUT-085 (Copper) Coax Cable | DC - 67GHz

**Electrical Data**

| Electrical Specifications for Different Length |                       |            |                    |                       |
|--|-----------------------|------------|--------------------|-----------------------|
| Length (mm)                                    | Length Tolerance (mm) | Frequency  | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100  | ±3                    | DC - 67GHz | 1.5                | 1.70                  |
| 150  | ±3                    |            |                    | 2.20                  |
| 200  | ±3                    |            |                    | 2.70                  |
| 250  | ±3                    |            |                    | 3.20                  |
| 300  | ±5                    |            |                    | 3.70                  |
| 400  | ±5                    |            |                    | 4.70                  |
| 500  | ±5                    |            |                    | 5.70                  |

**Environmental Specifications**

RoHS Compliant

Yes

Operating Temperature Range

-45 °C to +85 °C