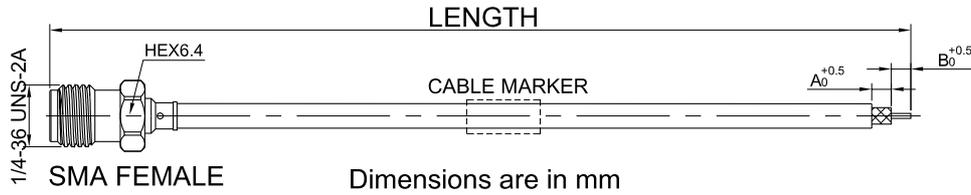


P/N: FR710-SMF000-XXX

**SMA Female to Trimmed Lead Cable Assembly | .086" Semi-Rigid GUT-085 (Copper) Coax Cable | DC - 18GHz**



**Connectors Configuration**

|                           | Connector 1 |
|---------------------------|-------------|
| Connector Series          | SMA         |
| Connector Polarity        | Standard    |
| Connector Gender          | Female      |
| Connector Impedance (Ohm) | 50          |
| Connector Body Style      | Straight    |
| Connector Body Material   | Brass       |
| Connector Body Plating    | Gold        |

**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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SMA Female to Trimmed Lead Cable Assembly | .086" Semi-Rigid GUT-085 (Copper) Coax Cable | DC - 18GHz

## Electrical Data

| Electrical Specifications for Different Length |                       |            |                    |                       |
|--|-----------------------|------------|--------------------|-----------------------|
| Length (mm)                                    | Length Tolerance (mm) | Frequency  | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100  | ±3                    | DC - 18GHz | 1.35 to 18GHz      | 0.83                  |
| 150  | ±3                    |            |                    | 1.0                   |
| 200  | ±3                    |            |                    | 1.16                  |
| 250  | ±3                    |            |                    | 1.33                  |
| 300  | ±5                    |            |                    | 1.49                  |
| 400  | ±5                    |            |                    | 1.82                  |
| 500  | ±5                    |            |                    | 2.15                  |

## Environmental Specifications

|                             |                  |
|-----------------------------|------------------|
| RoHS Compliant              | Yes              |
| Operating Temperature Range | -45 °C to +85 °C |