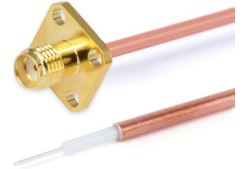
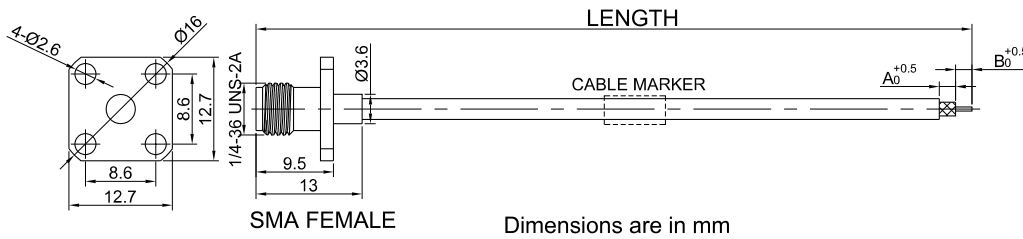


P/N: FR710-SMFF000-XXX

## SMA 4 Hole Flange Female to Trimmed Lead Cable Assembly | .086" Semi-Rigid GUT-085 (Copper) Coax Cable | DC - 18GHz



### Connectors Configuration

|                           | Connector 1   | Connector 2 |
|---------------------------|---------------|-------------|
| Connector Series          | SMA           |             |
| Connector Polarity        | Standard      |             |
| Connector Gender          | Female        |             |
| Connector Impedance (Ohm) | 50            |             |
| Connector Mount Method    | 4 Hole Flange |             |
| Connector Body Style      | Straight      |             |
| Connector Body Material   | Brass         | Brass       |
| Connector Body Plating    | Gold          | Tri-Metal   |

### 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                  |



## 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

## Revision History

| Version | Description     | Prepared By | Approved By | Date       |
|---------|-----------------|-------------|-------------|------------|
| V1.0    | Initial release | Grimm       | Hebe        | 2024-01-01 |