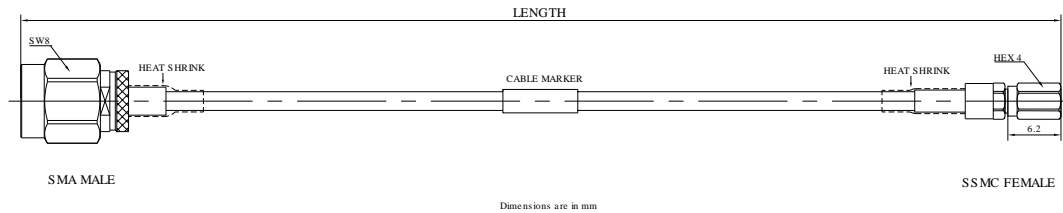


## SMA Male to SSMC Female Cable Using RG178 Flexible Coax, DC - 3GHz

P/N: FRR8-SMMSSMCF-XXX



### Product Configuration

|                             |          |
|-----------------------------|----------|
| Connector 1 Series          | SMA      |
| Connector 1 Polarity        | Standard |
| Connector 1 Gender          | Male     |
| Connector 1 Impedance (Ohm) | 50       |
| Connector 1 Mount Method    | None     |
| Connector 1 Body Style      | Straight |
| Connector 2 Series          | SSMC     |
| Connector 2 Polarity        | Standard |
| Connector 2 Gender          | Female   |
| Connector 2 Impedance (Ohm) | 50       |
| Connector 2 Mount Method    | None     |
| Connector 2 Body Style      | Straight |
| Coax Cable                  | RG178    |

### Mechanical Data

|                           |        |
|---------------------------|--------|
| Connector 1 Body Material | Brass  |
| Connector 1 Body Plating  | Gold   |
| Connector 2 Body Material | Brass  |
| Connector 2 Body Plating  | Gold   |
| Out Diameter              | 1.83mm |
| Min. Bending Radius       | 15mm   |
| Mating Cycles, Min        | ≥500   |

## SMA Male to SSMC Female Cable Using RG178 Flexible Coax, DC - 3GHz

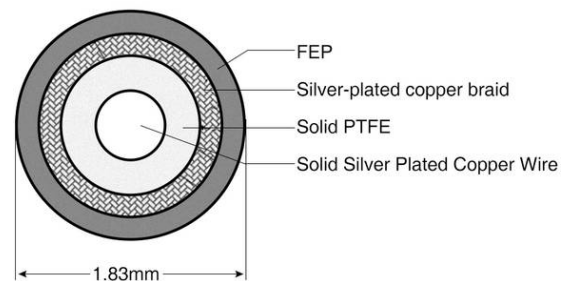
P/N: FRR8-SMMSSMCF-XXX

### Environmental Specifications

|                             |                  |
|-----------------------------|------------------|
| RoHS Compliant              | Yes              |
| Operating Temperature Range | -40 °C to +80 °C |
| MIL/STD                     | N/A              |

### Cable Specifications

| Description                | Parameter                  |
|----------------------------|----------------------------|
| Center Conductor           | Silver plated copper wire  |
| Dielectric                 | Solid PTFE                 |
| Outer Conductor            | Silver-plated copper braid |
| Jacket                     | FEP                        |
| Jacket Diameter(mm)        | 1.83                       |
| Capacitance(pF/m)          | 96.45                      |
| Velocity of propagation(%) | 70                         |
| Bending radius(mm)         | 10                         |



### Part Number List

| Part Number        | Length(mm) | Frequency | Insertion Loss ≤ (dB) |      | VSWR           |
|--------------------|------------|-----------|-----------------------|------|----------------|
|                    |            |           | 1GHz                  | 3GHz |                |
| FRR8-SMMSSMCF-2000 | 2000±10    | DC-6GHz   | 3.05                  | 5.35 | ≤ 1.25 to 3GHz |
| FRR8-SMMSSMCF-1000 | 1000±10    | DC-6GHz   | 0.65                  | 2.95 | ≤ 1.25 to 3GHz |
| FRR8-SMMSSMCF-800  | 800±5      | DC-6GHz   | 1.33                  | 2.44 | ≤ 1.25 to 3GHz |
| FRR8-SMMSSMCF-500  | 500±5      | DC-6GHz   | 0.95                  | 1.75 | ≤ 1.25 to 3GHz |

Note: Phase Matching is available by request.