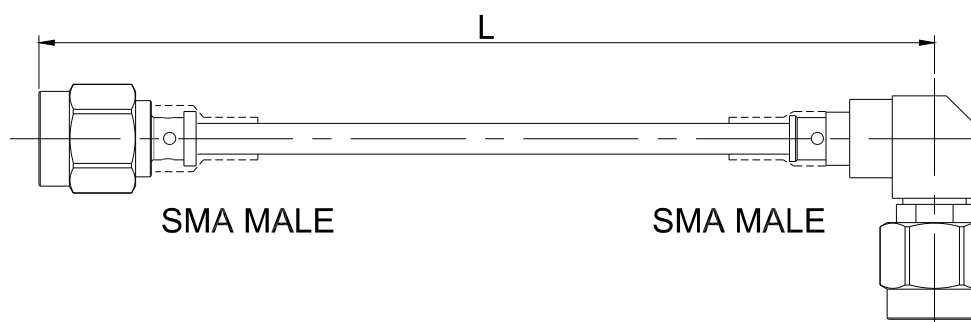


P/N: FRF71-SMMSMWM-XXX-18G

SMA Male to SMA Right Angle Male Cable Assembly | RG-405SS Flexible Coax Cable | DC - 18GHz



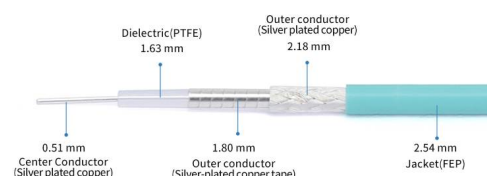
Dimensions are in mm

## Connectors Configuration

|                           | Connector 1     | Connector 2 |
|---------------------------|-----------------|-------------|
| Connector Series          | SMA             | SMA         |
| Connector Polarity        | Standard        | Standard    |
| Connector Gender          | Male            | Male        |
| Connector Impedance (Ohm) | 50              | 50          |
| Connector Body Style      | Straight        | Right Angle |
| Connector Body Material   | Stainless Steel | Brass       |
| Connector Body Plating    | Passivated      | Gold        |

## Cable Configuration

|                          |                            |
|--------------------------|----------------------------|
| Cable Type               | RG-405SS                   |
| Cable Impedance (Ohm)    | 50                         |
| Inner Conductor Material | Silver Plated Copper Wire  |
| Dielectric Material      | PTFE                       |
| Number of Shields        | 2                          |
| Shield Layer 1 Material  | Silver Plated Copper Tape  |
| Shield Layer 2 Material  | Silver Plated Copper Braid |
| Jacket Material          | FEP                        |
| Cable Diameter (mm)      | 2.64                       |
| Cable Color              | Turquoise                  |
| Minimum Bend Radius (mm) | 6                          |
| Capacitance (pF/m)       | 96.5                       |
| Velocity of Propagation  | 70%                        |
| Shielding Effectiveness  | < -100dB @ 1GHz            |



P/N: FRF71-SMMSMWM-XXX-

SMA Male to SMA Right Angle Male Cable Assembly | RG-405SS Flexible 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 | 1.30 to 18GHz      | 0.83 to 18GHz         |
| 200                                            | ±3                    |            |                    | 1.16 to 18GHz         |
| 300                                            | ±5                    |            |                    | 1.49 to 18GHz         |
| 500                                            | ±5                    |            |                    | 2.15 to 18GHz         |
| 800                                            | ±10                   |            |                    | 3.14 to 18GHz         |
| 1000                                           | ±10                   |            |                    | 3.65 to 18GHz         |
| 1500                                           | ±15                   |            |                    | 5.15 to 18GHz         |
| 2000                                           | ±20                   |            |                    | 6.65 to 18GHz         |

## Enviromental Specifications

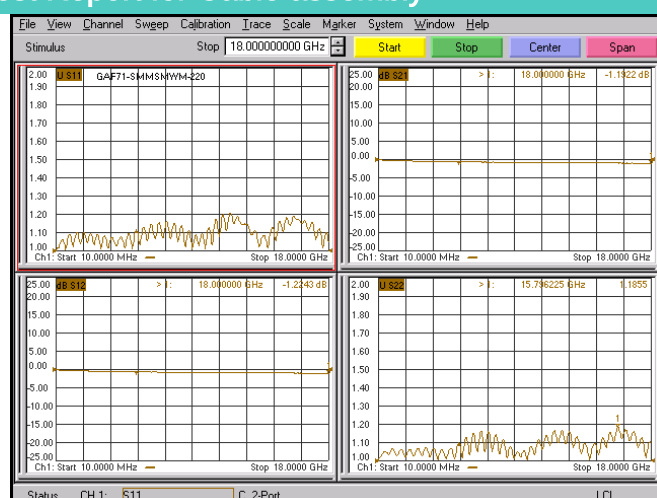
RoHS Compliant

Yes

Operating Temperature Range

-45°C to +125°C

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 220 mm