# RG402, 18GHz Low loss Cable Assembly

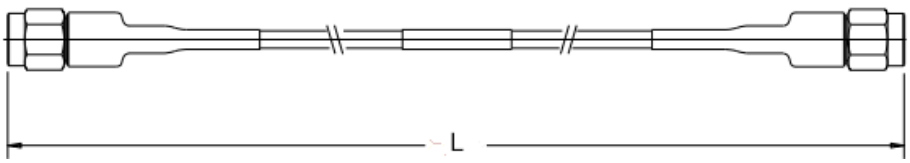
## Cable Assembly, RG402, SMA male to SMA male 1Meter

P.N. : B-25SM.SM00.1

### Cable Structure

| Structure | Diameter (mm) | Material |
|---|---|---|
| 1. Center Conductor | 0.92 | Silver Plated Copper clad steel Wire |
| 2. Dielectric | 2.95 | Poly TetraFluorEthylene |
| 3. 1st Outer shield | 3.18 | Silver Plated Copper Tape |
| 4. 2nd Outer shield | 3.62 | Silver Plated Copper |
| 5. Jacket | 4.15 | Fluorinated Ethyulene Propylene |

### Cable Assembly




- Length is measured from one connector end to the other connector end as shown above. For RA connectors, use the pin center-line.

### Cable Assembly Configuration

| | |
|---|---|
| Connector (Right) | SMA male, straight |
| Body/Coupling Nut/Contact Material | Gold plated Brass contacts |
| Connector (Left) | SMA male, straight |
| Body/Coupling Nut/Contact Material | Gold plated Brass contacts |
| Cable Type | RG402 (SS402, MF402) |

### Cable Assembly

- Connector can be assembled with others (such as N, BNC, TNC, SMB,)
- Connector material can be changed to stainless steel passivated or brass nickel plated.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## Electrical Specifications

| ELECRICAL DATA | | |
|---|---|---|
| **ITEM** | **SPECIFICATION** | |
| Capacitance | 95.1 pF/m (29.0 pF/ft) (nom.) | |
| Characteristic Impedance | 50 ± 2Ω | |
| Conductor resistance | Max. 19.3Ω/Mft (20℃) | |
| Operating frequency | 20GHz | |
| Operating Temp | -55℃ ~ +165℃ | |
| Shielding Effect | 100dB (max.) | |
| Velocity of propagation | 70.00% | |
| RoHS Compliance | YES | |
| Weight | 47.7 kg/km | |
| Maximum Attenuation (Cable Attenuation only) | 400 MHz | 6.9 dB/100ft (0.23 dB/M) |
| | 1,000 MHz | 11.4 dB/100ft (0.37 dB/M) |
| | 7,000 MHz | 35.3 dB/100ft (1.15 dB/M) |
| | 10,000 MHz | 44.0 dB/100ft (1.44 dB/M) |
| | 15,000 MHz | 63.9 dB/100ft (2.09 dB/M) |
| | 20,000 MHz | 68.6 dB/100ft (2.25 dB/M) |

Cable assembly Attenuation for the SMA connector at both end will be added 1dB at total


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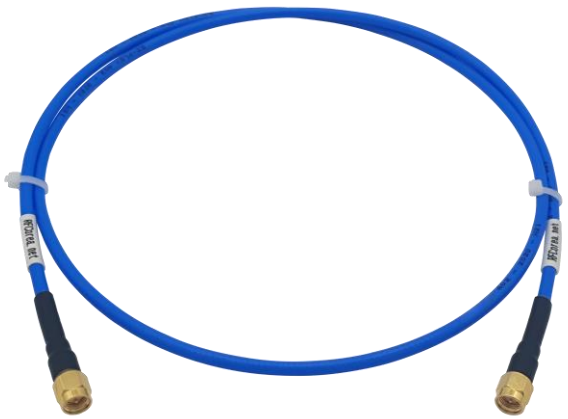
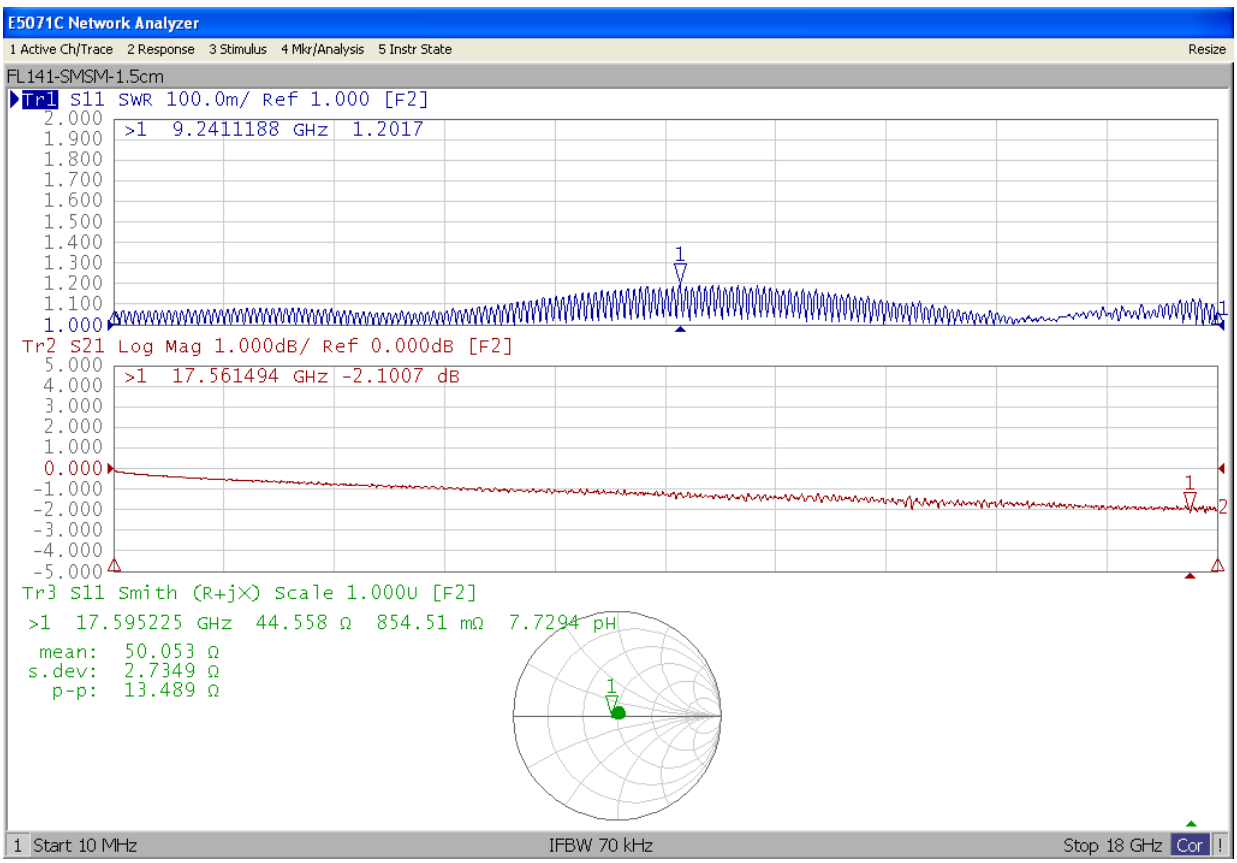
## Photo



## Test Data



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