

## 1.0mm Male to 1.0mm Male Armored Low Loss Test Cable



### FMCA100057

#### Configuration

- Connector 1: 1.0mm Male
- Connector 2: 1.0mm Male
- Coax Flex Type: Flexible

#### Features

- Max Frequency 110 GHz
- FEP Jacket

#### Applications

- General Purpose
- Test & Measurement
- Laboratory Use

#### Description

The 1.0mm male to 1.0mm male cable using coax, part number FMCA100057, from Fairview Microwave is in-stock and ships same day. This Fairview 1.0mm to 1.0mm cable assembly has a male to male gender configuration with 50 ohm flexible coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA100057 1.0mm male to 1.0mm male cable assembly operates to 110 GHz.

Custom versions of these RF cable assemblies can be built and shipped within two weeks. Custom cable assembly lengths can be obtained by contacting a sales representative. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		110	GHz
VSWR			1.6:1	
Insertion Loss			4.37	dB
Phase Stability with Flexure			15	Degrees

Electrical Specification Notes:  
Values at 25°C, sea level.

#### Mechanical Specifications

##### Cable Assembly

Width/Diameter 0.5 in [12.7 mm]  
Weight 0.2 lbs [90.72 g]

##### Cable

Impedance 50 Ohms  
Inner Conductor Material and Plating Copper, Silver  
Dielectric Type PTFE  
Jacket Material FEP  
One Time Minimum Bend Radius 1.2 in [30.48 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	1.0mm Male	1.0mm Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Outer Conductor Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel

#### Environmental Specifications

Operating Range Temperature -55 to +125 deg C

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:  
Values at 25°C, sea level.

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### FMCA100057

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**FMCA100057**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: FMCA100057-12 = 12 inches long cable  
FMCA100057-100cm = 100 cm long cable

1.0mm Male to 1.0mm Male Armored Low Loss Test Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [1.0mm Male to 1.0mm Male Armored Low Loss Test Cable FMCA100057](https://www.fairviewmicrowave.com/1.0mm-male-to-1.0mm-male-cable-fmca100057-p.aspx)

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# FMCA100057 CAD Drawing

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