

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



FMCA100058

Configuration

- Connector 1: 1.0mm Male
- Connector 2: 1.0mm Female
- 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 female cable using coax, part number FMCA100058, from Fairview Microwave is in-stock and ships same day. This Fairview 1.0mm to 1.0mm cable assembly has a male to female 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 FMCA100058 1.0mm male to 1.0mm female 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			1.55:1	
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

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Connectors

Description	Connector 1	Connector 2
Type	1.0mm Male	1.0mm Female
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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FMCA100058

Typical Performance Data

How to Order

Part Number Configuration:

FMCA100058

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: FMCA100058-12 = 12 inches long cable
FMCA100058-100cm = 100 cm long cable

1.0mm Male to 1.0mm Female 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 Female Armored Low Loss Test Cable FMCA100058](#)

URL: <https://www.fairviewmicrowave.com/1.0mm-male-to-1.0mm-female-cable-fmca100058-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMCA100058 CAD Drawing

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

