

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



### PE3C100021

#### 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

Pasternack's PE3C100021 1.0mm male to 1.0mm male cable using coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack 1.0mm to 1.0mm cable assembly has a male to male gender configuration with 50 ohm flexible coax. The PE3C100021 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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### PE3C100021

#### Typical Performance Data

#### How to Order

Part Number Configuration: **PE3C100021 - xx uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

Example: PE3C100021-12 = 12 inches long cable  
PE3C100021-100cm = 100 cm long cable

1.0mm Male to 1.0mm Male Armored Low Loss Test Cable from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.0mm Male to 1.0mm Male Armored Low Loss Test Cable PE3C100021](https://www.pasternack.com/1.0mm-male-to-1.0mm-male-cable-pe3c100021-p.aspx)

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PE3C100021 CAD Drawing
1.0mm Male to 1.0mm Male Armored Low Loss Test Cable

