

## 1.0mm Male to 1.0mm Male Armored Low Loss Test Cable 12 Inch Length

### PE3C100021-12



#### 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 PE3C100021-12 1.0mm male to 1.0mm male 12 inch 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 PE3C100021-12 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

Length	12 in [304.8 mm]
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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Loss Test Cable 12 Inch Length



**PE3C100021-12**

**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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**PE3C100021-12**

## Typical Performance Data

## How to Order

Part Number Configuration:

**PE3C100021**

- XX

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- 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 12 Inch Length 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 12 Inch Length PE3C100021-12](#)

URL: <https://www.pasternack.com/1.0mm-male-to-1.0mm-male-cable-12-inch-length-pe3c100021-12-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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3C100021-12 CAD Drawing
1.0mm Male to 1.0mm Male Armored Low Loss Test Cable 12 Inch Length

