



2.92mm Male to 2.92mm Male Test Cable 36 Inch Length Using PE-P102 Coax, RoHS

TECHNICAL DATA SHEET

PE371-36

**Configuration**

Connector 1	2.92mm Male
Connector 2	2.92mm Male
Cable Type	PE-P102

**Electrical Specifications**

Frequency Range	DC to 40 GHz
Impedance	50 Ohms
Maximum VSWR	1.4:1
Velocity of Propagation	76 %
RF Shielding	90 dB
Peak Power	550 Watts

**Typical Performance by Frequency**

**Frequency 1**

Frequency	6 GHz
VSWR	1.25:1
Insertion Loss	2.25 dB
Power Handling, Watts	160

**Frequency 2**

Frequency	12 GHz
VSWR	1.25:1
Insertion Loss	3.25 dB
Power Handling	110 Watts

**Frequency 3**

Frequency	18 GHz
VSWR	1.25:1
Insertion Loss	4.07 dB
Power Handling	89 Watts

**Frequency 4**

Frequency	26.5 GHz
VSWR	1.4:1
Insertion Loss	5 dB
Power Handling	73 Watts

**Frequency 5**

Frequency	40 GHz
VSWR	1.4:1
Insertion Loss	6.4 dB
Power Handling	58 Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Male Test Cable 36 Inch Length Using PE-P102 Coax, RoHS PE371-36](#)



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**Mechanical Specifications**

**Temperature**

Temperature Operating Range -65 to +165 deg C

**Size**

Length 36 in [914.4 mm]

Diameter 0.38 in [9.65 mm]

Cable Color Gray

One Time Minimum Bend Radius 0.32 in [8.13 mm]

**Cable**

Cable Type PE-P102

Inner Conductor Type Stranded

Cable Inner Conductor Copper, Silver

No of Shields 3

Dielectric Type PTFE

Jacket Material ETFE

Jacket Diameter 0.102 in [2.59 mm]

**Connector 1**

Type 2.92mm Male

Configuration Straight

Inner Conductor Material and Plating Beryllium Copper, Gold

Inner Conductor Plating Specification ASTM-B488 50µ In. Minimum

Coupling Nut Material and Plating Passivated Stainless Steel

Coupling Nut Plating Specification SAE-AMS-2700

Hex Size 5/16 Inch

Torque 8 in-lbs [0.9 Nm]

Body Material and Plating Passivated Stainless Steel

Body Plating Specification SAE-AMS-2700

Dielectric Type PPO

**Connector 2**

Type 2.92mm Male

Configuration Straight

Inner Conductor Material and Plating Beryllium Copper, Gold

Inner Conductor Plating Specification ASTM-B488 50µ In. Minimum

Coupling Nut Material and Plating Passivated Stainless Steel

Coupling Nut Plating Specification SAE-AMS-2700

Hex Size 5/16 Inch

Torque 8 in-lbs [0.9 Nm]

Body Material and Plating Passivated Stainless Steel

Body Plating Specification SAE-AMS-2700

Dielectric Type PPO

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Male Test Cable 36 Inch Length Using PE-P102 Coax, RoHS PE371-36](#)



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**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)  
RoHS Compliant Yes

#### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

2.92mm Male to 2.92mm Male Test Cable 36 Inch Length Using PE-P102 Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

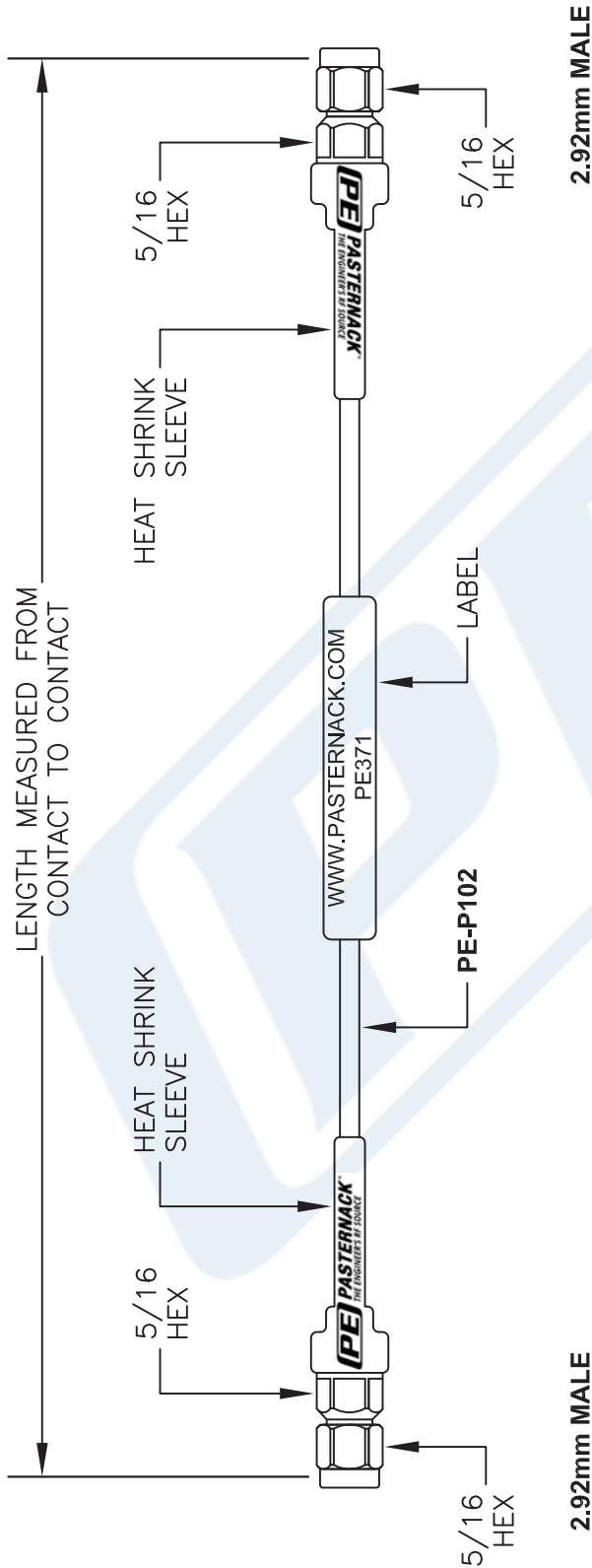
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Male Test Cable 36 Inch Length Using PE-P102 Coax, RoHS PE371-36](http://www.pasternack.com/2.92mm-male-to-2.92mm-male-pe-p102-cable-assembly-pe371-36-p.aspx)

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The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE371-36 CAD Drawing

2.92mm Male to 2.92mm Male Test Cable 36 Inch Length Using PE-P102 Coax, RoHS



**NOTE:**  
LABEL FOR CABLE LENGTHS 48" OR SHORTER TO BE CENTERED. 48" OR LONGER WILL BE 12" AWAY FROM CONNECTOR.

Part Number Configuration		How To Order	
PE3zzzz	YV - xx   uu	Part # Ext.	Length In Inches
LF = RoHS Compliant	< Blank > = Standard	-12	12"
Note: LF applies only to RF cables	CM = Centimeters	-24	24"
	< Blank > = Inches	-36	36"
	Length	-48	48"
		-60	60"
		-xx	Custom Length
		Part # Ext.	Length In Centimeters
		-25CM	25Cm
		-50CM	50Cm
		-75CM	75Cm
		-100CM	100Cm
		-125CM	125Cm
		-xxCM	Custom Length

**NOTES:**  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].  
 4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE  
**PE371**

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 THE ENGINEERS' RF SOURCE  
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