PASTERNACK®
THE ENGINEER'S RF SOURCE

2.92mm Male to 2.92mm Male Test Cable 12 Inch Length Using PE-P102 Coax, RoHS

TECHNICAL DATA SHEET PE371-12

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	0.75 dB
Power Handling, Watts	160

Frequency 2

Frequency	12 GHz
VSWR	1.25:1
Insertion Loss	1.08 dB
Power Handling	110 Watts

Frequency 3

Frequency	18 GHz
VSWR	1.25:1
Insertion Loss	1.36 dB
Power Handling	89 Watts

Frequency 4

Frequency	26.5 GHz
VSWR	1.4:1
Insertion Loss	1.67 dB
Power Handling	73 Watts

Frequency 5

Frequency	40 GHz
VSWR	1.4:1
Insertion Loss	2.13 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 12 Inch Length Using PE-P102 Coax, RoHS PE371-12

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Mechanical Specifications

Temperature

Temperature Operating Range	-65 to +165 deg C

Size

Length	12 in [304.8 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
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Compliance Certifications (visit 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 12 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 12 Inch Length Using PE-P102 Coax, RoHS PE371-12

URL: http://www.pasternack.com/2.92mm-male-2.92mm-male-pe-p102-cable-assembly-pe371-12-p.aspx

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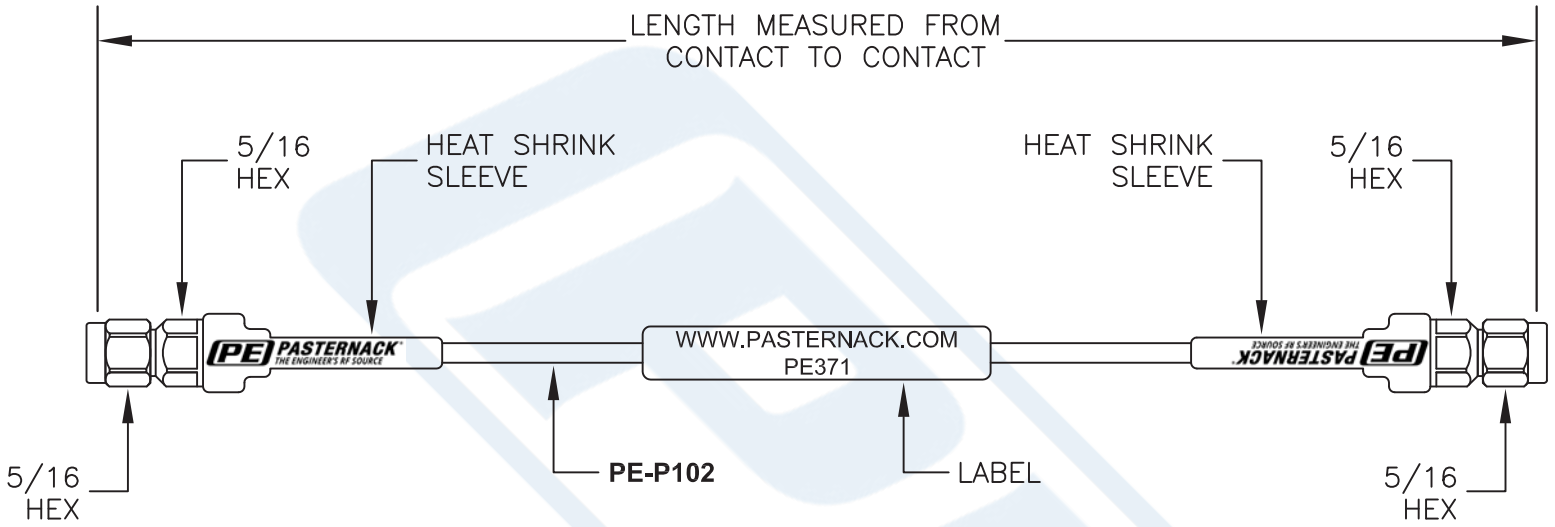
PE371-12 CAD Drawing

2.92mm Male to 2.92mm Male Test Cable 12 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.

How To Order

Part Number Configuration

PE3zzzzz [yy] - [xx] [uu]

- yy: LF = RoHS Compliant; < Blank > = Standard
- xx: Length
- uu: CM = Centimeters; < Blank > = Inches

Note: LF applies only to RF cables

Examples

- PE3000LF-100
- PE3000-100
- PE3000LF-100CM
- PE3000-100CM

Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
-12	12"	-25CM	25Cm
-24	24"	-50CM	50Cm
-36	36"	-75CM	75Cm
-48	48"	-100CM	100Cm
-60	60"	-125CM	125Cm
-xx	Custom Length	-xxCM	Custom Length

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DWG TITLE

PE371

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.

FSCM NO. 53919	CAD FILE 110414	SCALE N/A	SIZE A	2233