PASTERNACK®
THE ENGINEER'S RF SOURCE

1.85mm Male to 1.85mm Male Test Cable Using PE-P102 Coax, RoHS

TECHNICAL DATA SHEET PE372

Configuration

Connector 1	1.85mm Male
Connector 2	1.85mm Male
Cable Type	PE-P102

Electrical Specifications

Frequency Range	DC to 65 GHz
Impedance	50 Ohms
Velocity of Propagation	76 %
RF Shielding	90 dB

Typical Performance by Frequency

Frequency 1

Frequency	6 GHz
VSWR	1.25:1
Insertion Loss,	0.8 dB/ft [2.46 dB/m]
Power Handling, Watts	160

Frequency 2

Frequency	12 GHz
VSWR	1.25:1
Insertion Loss	1.08 dB/ft [3.54 dB/m]
Power Handling	110 Watts

Frequency 3

Frequency	18 GHz
VSWR	1.25:1
Insertion Loss	1.36 dB/ft [4.46 dB/m]
Power Handling	89 Watts

Frequency 4

Frequency	26.5 GHz
VSWR	1.4:1
Insertion Loss	1.67 dB/ft [5.48 dB/m]
Power Handling	73 Watts

Frequency 5

Frequency	40 GHz
VSWR	1.4:1
Insertion Loss	2.13 dB/ft [6.99 dB/m]
Power Handling	58 Watts

Frequency 6

Frequency	50 GHz
VSWR	1.4:1
Insertion Loss	2.45 dB/ft [8.04 dB/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 1.85mm Male to 1.85mm Male Test Cable Using PE-P102 Coax, RoHS PE372

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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Power Handling	52 Watts
Frequency 7	
Frequency	65 GHz
VSWR	1.4:1
Insertion Loss	2.85 dB/ft [9.35 dB/m]

Mechanical Specifications

Size	
Diameter	0.375 in [9.53 mm]
Cable Color	Gray
One Time Minimum Bend Radius	0.32 in [8.13 mm]
Repeated Minimum Bend Radius	0.96 in [24.38 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	1.85mm 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	1.85mm 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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Body Plating Specification	SAE-AMS-2700
Dielectric Type	PPO

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

Notes:

- Values at +25 °C, sea level

1.85mm Male to 1.85mm Male Test Cable 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: 1.85mm Male to 1.85mm Male Test Cable Using PE-P102 Coax, RoHS PE372

URL: http://www.pasternack.com/1.85mm-male-1.85mm-male-pe-p102-cable-assembly-pe372-p.aspx

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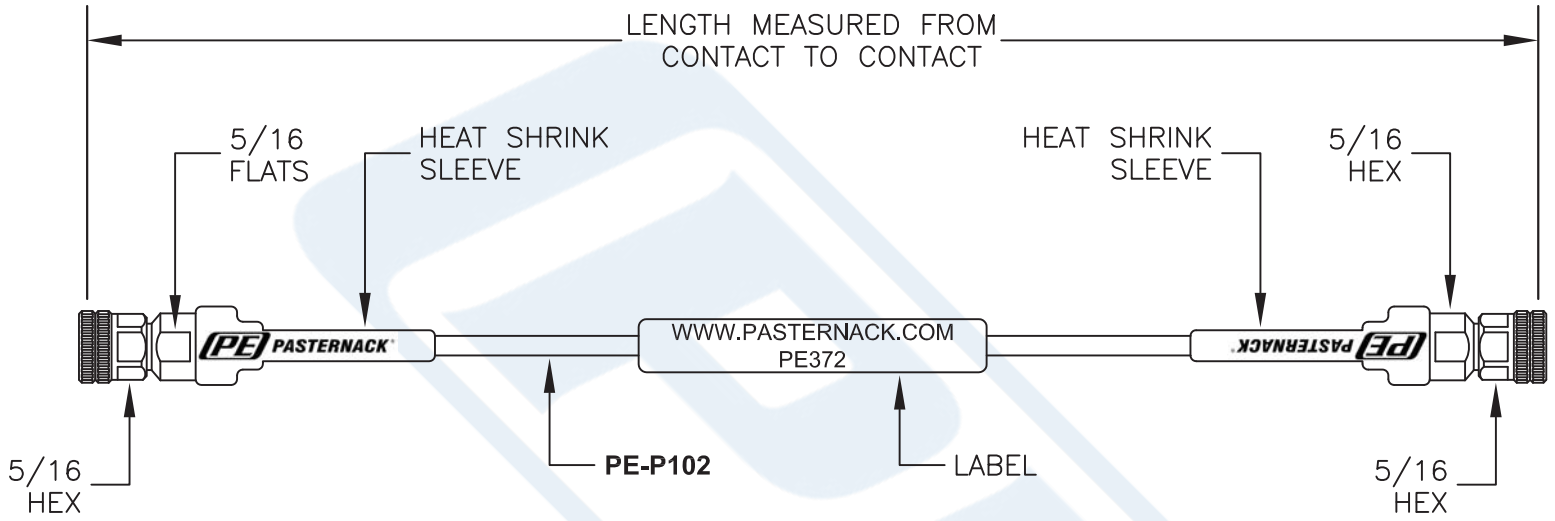
PE372 CAD Drawing

1.85mm Male to 1.85mm Male Test Cable 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 # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration PE3 [zzz] - [xx] [uu] 00 - 99999 CM = Centimeters < Blank > = Inches Length	Examples PE3000-100 PE3000-100CM	-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
PE372

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 091713	SCALE N/A	SIZE A	2233