



2.4mm Male to 2.4mm Male Test Cable  
Using PE-P102 Coax, RoHS

TECHNICAL DATA SHEET

PE373

**Configuration**

Connector 1	2.4mm Male
Connector 2	2.4mm Male
Cable Type	PE-P102

**Electrical Specifications**

Frequency Range	DC to 50 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,	0.8 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
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2.4mm Male to 2.4mm Male Test Cable Using PE-P102 Coax, RoHS PE373

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VSWR	1.4:1
Insertion Loss	2.45 dB/ft [8.04 dB/m]
Power Handling	52 Watts

## 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	2.4mm 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	2.4mm 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

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## PE373

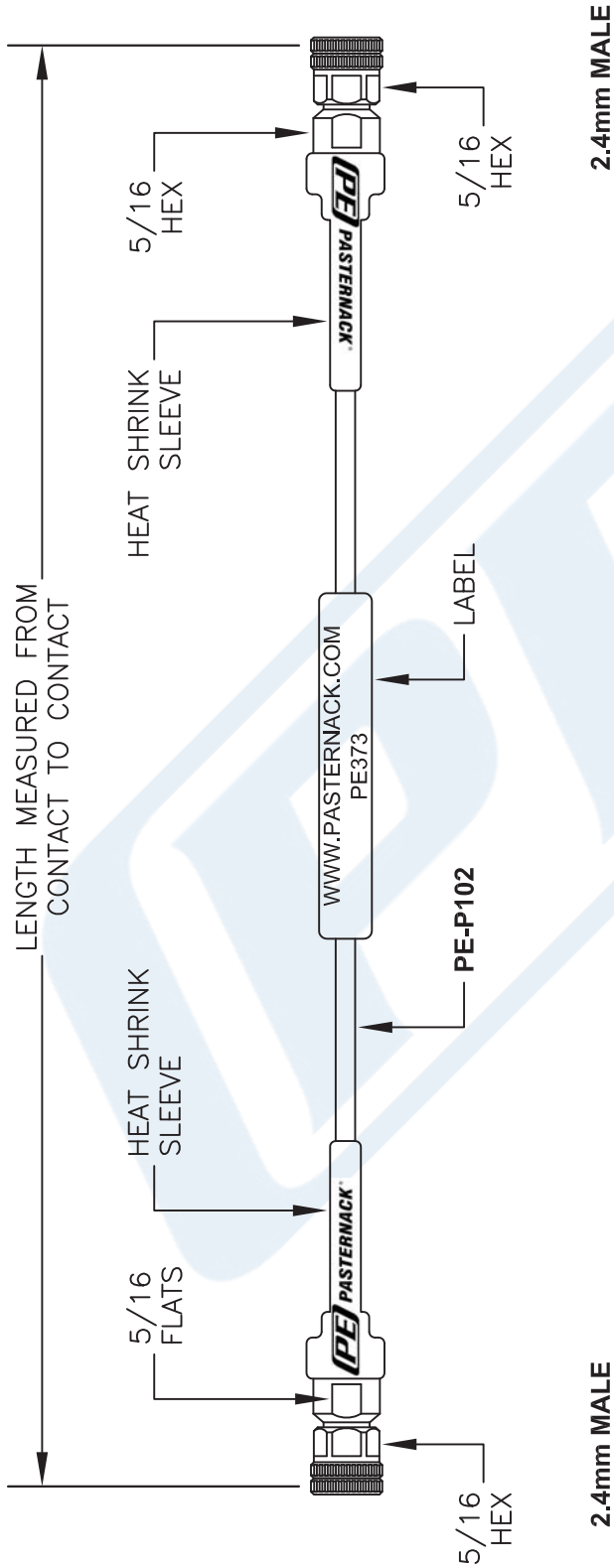
- Values at +25 °C, sea level



PASTERNAK ENTERPRISES, INC.  
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REGISTERED FIRM  
CERTIFICATE NO. 10098517 Q4008

PE373 CAD Drawing

2.4mm Male to 2.4mm 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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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  
**PE373**

FSCM NO. 53919

CAD FILE 091713

SCALE N/A

SIZE A

2233