



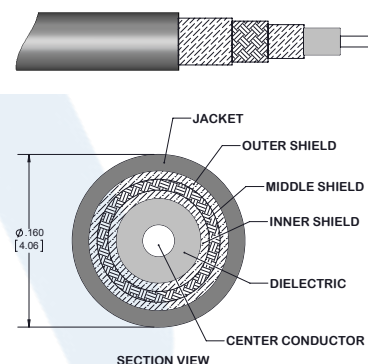
## 2.4mm Male to 2.4mm Male Test Cable 36 Inch Length Using PE-P160 Coax

### RF Cable Assemblies Technical Data Sheet

**PE363-36**

#### Configuration

- Connector 1: 2.4mm Male
- Connector 2: 2.4mm Male
- Cable Type: PE-P160



#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.4:1	
Velocity of Propagation		78		%
RF Shielding	90			dB
Capacitance		26 [85.3]		pF/ft [pF/m]
Inductance		66 [216.54]		uH/ft [uH/m]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	20	40	GHz
Insertion Loss (Max.)	0.74	1.05	1.56	2.26	3.4	dB
Insertion Loss (Typ.)	0.61	0.93	1.38	2.05	3.1	dB

#### Mechanical Specifications

##### Cable Assembly

Length\*

36 in [914.4 mm]

Diameter

0.33 in [8.38 mm]

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 36 Inch Length Using PE-P160 Coax PE363-36](#)



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Weight 0.171 lbs [77.56 g]

**Cable**

Cable Type PE-P160  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper, Silver  
Dielectric Type PTFE  
Number of Shields 3  
Shield Layer 1 Silver Plated Copper  
Shield Layer 2 Aluminum Tape  
Shield Layer 3 Silver Plated Copper  
Jacket Material ETFE, Gray  
Jacket Diameter 0.16 in [4.06 mm]

One Time Minimum Bend Radius 0.8 in [20.32 mm]  
Typical Flex Cycles 10,000

**Connectors**

Description	Connector 1	Connector 2
Type	2.4mm Male	2.4mm Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM-B488 50µ In. Minimum	ASTM-B488 50µ In. Minimum
Dielectric Type	PEI	PEI
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Hex Size	5/16 Inch	5/16 Inch
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]

**Mechanical Specification Notes:**

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

**Environmental Specifications****Temperature**

Operating Range -45 to +125 deg C

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 36 Inch Length Using PE-P160 Coax PE363-36](#)



2.4mm Male to 2.4mm Male Test Cable  
36 Inch Length Using PE-P160 Coax

RF Cable Assemblies Technical Data Sheet

PE363-36

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

**How to Order**

Part Number Configuration:

**PE363**

**- xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE363-12 = 12 inches long cable  
PE363-100cm = 100 cm long cable

2.4mm Male to 2.4mm Male Test Cable 36 Inch Length Using PE-P160 Coax 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.

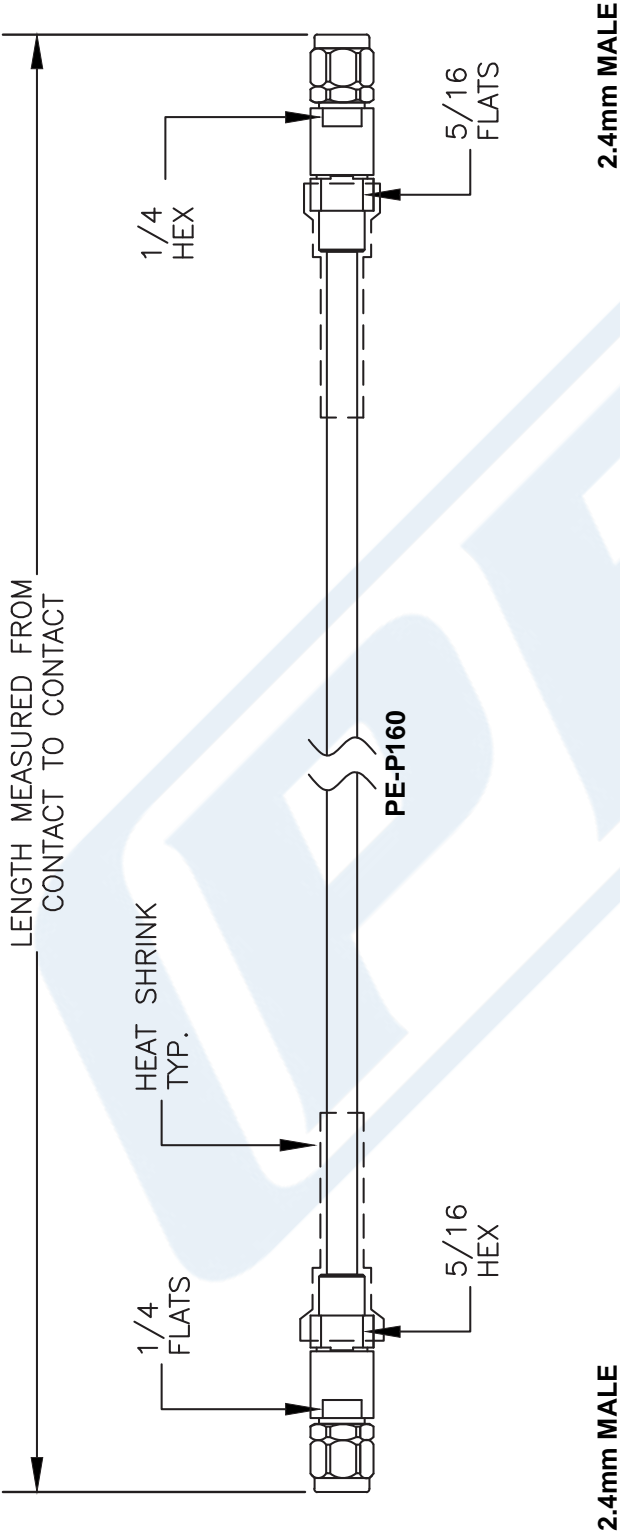
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URL: <https://www.pasternack.com/2.4mm-male-2.4mm-male-pe-p160-cable-assembly-pe363-36-p.aspx>

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.

PE363-36 CAD Drawing

2.4mm Male to 2.4mm Male Test Cable 36 Inch Length Using PE-P160 Coax



How To Order				Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration				Examples			
PE3 <div>zzz</div> <div>yy</div> - <div>xx</div> <div>uu</div>				PE3000LF-100	12"	-25CM	25Cm
				PE3000-100	24"	-50CM	50Cm
				00 - 99999	36"	-75CM	75Cm
LF = RoHS Compliant < Blank > = Standard				PE3000LF-100CM	48"	-100CM	100Cm
				PE3000-100CM	60"	-125CM	125Cm
Note: LF applies only to RF cables					Custom Length	-xxCM	Custom Length

**PE PASTERNAK®**

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DWG TITLE

**PE363**

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 061013	SCALE N/A	SIZE A	2233
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