



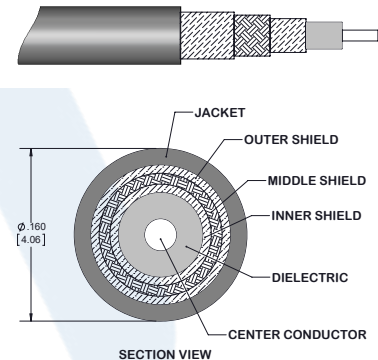
2.92mm Male to 2.92mm Female Test Cable  
Using PE-P160 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE361

**Configuration**

- Connector 1: 2.92mm Male
- Connector 2: 2.92mm Female
- 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.)	0.23	0.33	0.49	0.71	1.07	dB/ft
	0.75	1.08	1.61	2.33	3.51	dB/m
Insertion Loss (Typ.)	0.2	0.29	0.43	0.64	0.97	dB/ft
	0.66	0.95	1.41	2.1	3.18	dB/m

**Electrical Specification Notes:**

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as .03 x square root (FGHz) dB per connector.

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 Female Test Cable Using PE-P160 Coax, RoHS PE361](#)



## 2.92mm Male to 2.92mm Female Test Cable Using PE-P160 Coax, RoHS

### RF Cable Assemblies Technical Data Sheet

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#### Mechanical Specifications

##### Cable Assembly

Diameter	0.39 in [9.91 mm]
Weight	0.05 lbs [22.68 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	2.92mm Male	2.92mm Female
Specification		IEEE-STD-P287
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	PCTFE
Outer Conductor Material and Plating		Passivated Stainless Steel
Outer Conductor Plating Specification		SAE-AMS-2700
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	
Coupling Nut Plating Specification	SAE-AMS-2700	
Hex Size	5/16 Inch	
Torque	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.

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## 2.92mm Male to 2.92mm Female Test Cable Using PE-P160 Coax, RoHS

### RF Cable Assemblies Technical Data Sheet

PE361

#### Environmental Specifications

##### Temperature

Operating Range

-45 to +125 deg C

**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:

PE361 - xx uu

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

Example: PE361-12 = 12 inches long cable  
PE361-100cm = 100 cm long cable

2.92mm Male to 2.92mm Female Test Cable Using PE-P160 Coax, RoHS 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.

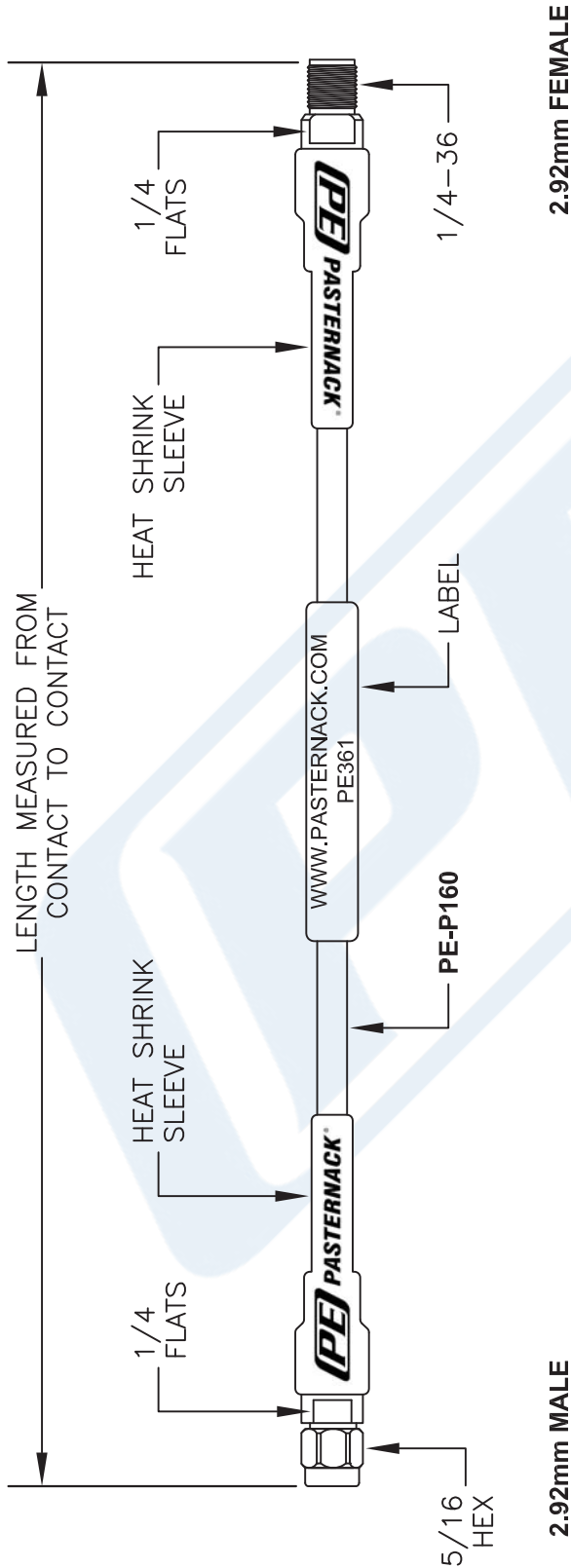
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URL: <https://www.pasternack.com/2.92mm-male-2.92mm-female-pe-p160-cable-assembly-pe361-p.aspx>

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.

# PE361 CAD Drawing

2.92mm Male to 2.92mm Female Test Cable Using PE-P160 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	
PE3	[ZZZ] - [XX] [UU]	Part # Ext.	Length In Inches
00 - 99999	< Blank > = Inches Length	-12	12"
		-24	24"
		-36	36"
		-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  
**PE361**

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SCALE N/A

SIZE A

2233