



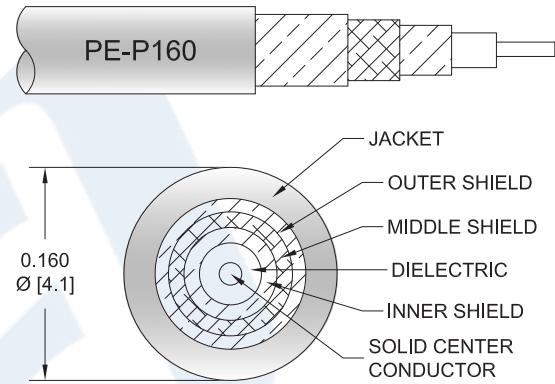
2.92mm Male to 2.92mm Female Test Cable 50 CM Length Using PE-P160 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE361-50CM

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.) | 0.42 | 0.6 | 0.89 | 1.29 | 1.94 | dB |
| Insertion Loss (Typ.) | 0.35 | 0.53 | 0.79 | 1.17 | 1.78 | dB |

Mechanical Specifications

Cable Assembly

| | |
|----------|--------------------|
| Length* | 19.685 in [500 mm] |
| Diameter | 0.39 in [9.91 mm] |

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 50 CM Length Using PE-P160 Coax, RoHS PE361-50CM](#)



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| | |
|--------------------------------------|----------------------|
| Weight | 0.06 lbs [27.22 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 | PTFE |
| 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.

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: [2.92mm Male to 2.92mm Female Test Cable 50 CM Length Using PE-P160 Coax, RoHS PE361-50CM](#)



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

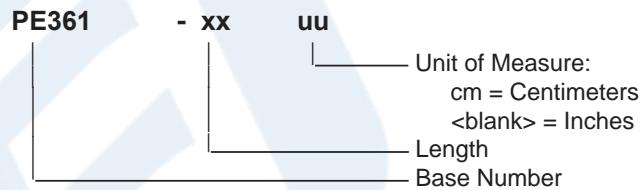
Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:



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

2.92mm Male to 2.92mm Female Test Cable 50 CM Length 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.

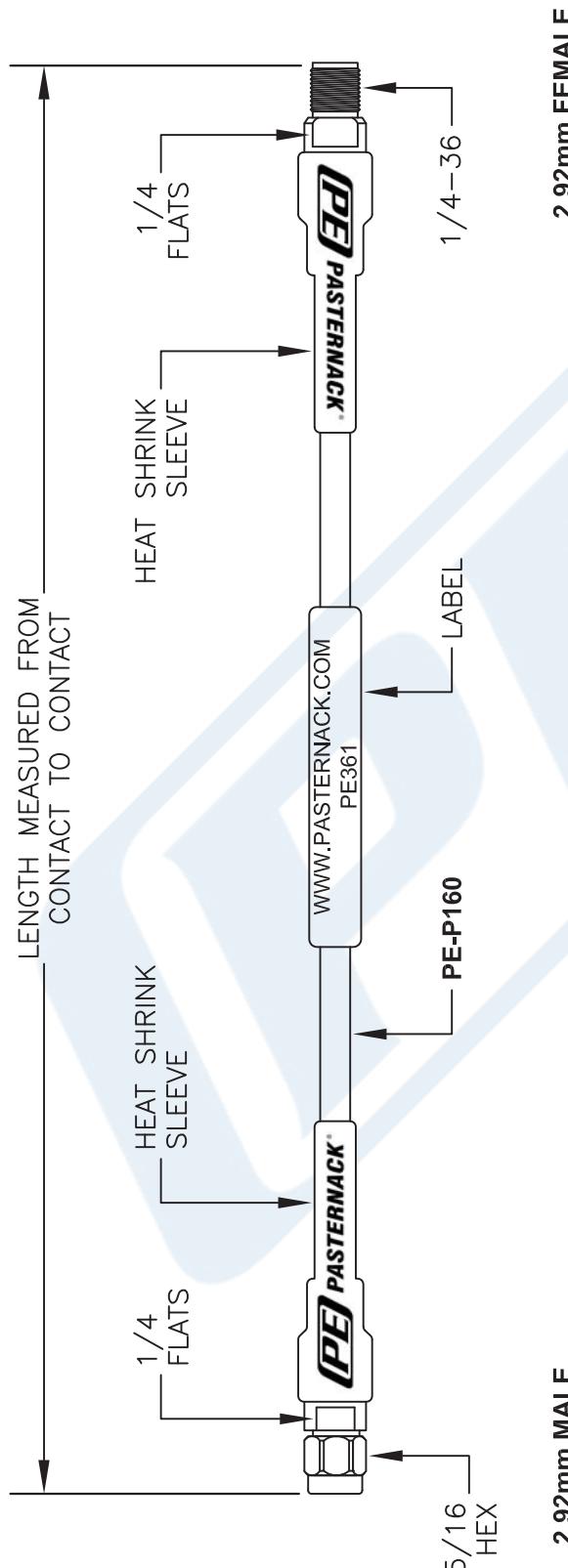
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URL: <https://www.pasternack.com/2.92mm-male-2.92mm-female-pe-p160-cable-assembly-pe361-50cm-p.aspx>

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.

PE361-50CM CAD Drawing

2.92mm Male to 2.92mm Female Test Cable 50 CM Length 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.

| How To Order | | Part # Examples | Length In Inches | Part # Ext. | Length In Centimeters |
|--------------------------------------|--|-----------------|------------------|---------------|-----------------------|
| Part Number Configuration | | | -12 | 12" | -25CM |
| PE3 <u>zzz</u> - <u>xx</u> <u>uu</u> | | PE3000-100 | -24 | 24" | -50Cm |
| | | PE3000-100CM | -36 | 36" | -75Cm |
| | | | -48 | 48" | -100Cm |
| | | | -60 | 60" | -125Cm |
| | | | -xx | Custom Length | -xxCM |
| | | | | | Custom Length |

DWG TITLE
PE361

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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 $\pm 1.5\%$ OR 3/8", WHICHEVER IS GREATER.

| | | | | | | | | |
|----------|-------|----------|--------|-------|-----|------|---|------|
| FSCM NO. | 53919 | CAD FILE | 091713 | SCALE | N/A | SIZE | A | 2233 |
|----------|-------|----------|--------|-------|-----|------|---|------|