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

## TECHNICAL DATA SHEET PE360

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

### Configuration

| | |
|---|---|
| Connector 1 | 2.92mm Male |
| Connector 2 | 2.92mm Male |
| Cable Type | PE-P160 |

### Electrical Specifications

| | |
|---|---|
| Frequency Range, GHz | DC to 40 |
| Impedance, Ohms | 50 |
| Maximum VSWR | 1.35:1 |
| Velocity of Propagation, % | 78 |
| RF Shielding, dB | 90 |

**Typical Performance by Frequency**

**Frequency 1**

| | |
|---|---|
| Frequency, MHz | 500 |
| Insertion Loss | 0.9 dB/ft [2.95 dB/m ] |
| Power Handling, KWatts | 1.52 |

**Frequency 2**

| | |
|---|---|
| Frequency, MHz | 1000 |
| Insertion Loss | 0.13 dB/ft [0.43 dB/m ] |
| Power Handling, KWatts | 1.07 |

**Frequency 3**

| | |
|---|---|
| Frequency, GHz | 3 |
| Insertion Loss | 0.23 dB/ft [0.75 dB/m ] |
| Power Handling, Watts | 610 |

**Frequency 4**

| | |
|---|---|
| Frequency, GHz | 6 |
| Insertion Loss | 0.33 dB/ft [1.08 dB/m ] |
| Power Handling, Watts | 420 |

**Frequency 5**

| | |
|---|---|
| Frequency, GHz | 12 |
| Insertion Loss | 0.48 dB/ft [1.57 dB/m ] |
| Power Handling, Watts | 290 |

**Frequency 6**

| | |
|---|---|
| Frequency, GHz | 18 |
| Insertion Loss | 0.61 dB/ft [2 dB/m ] |
| Power Handling, Watts | 230 |

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 Male Test Cable Using PE-P160 Coax, RoHS PE360

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 Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
**Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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**Frequency 7**

| | |
|---|---|
| Frequency, GHz | 26 |
| Insertion Loss | 0.75 dB/ft [2.46 dB/m ] |
| Power Handling, Watts | 190 |

**Frequency 8**

| | |
|---|---|
| Frequency, GHz | 32 |
| Insertion Loss | 0.85 dB/ft [2.79 dB/m ] |
| Power Handling, Watts | 170 |

**Frequency 9**

| | |
|---|---|
| Frequency, GHz | 40 |
| Insertion Loss | 0.97 dB/ft [3.18 dB/m ] |
| Power Handling, Watts | 150 |

## Mechanical Specifications

### Cable Assembly

| | |
|---|---|
| Cable Type | PE-P160 |

**Temperature**

| | |
|---|---|
| Temperature Operating Range, deg C | -65 to +165 |
| Temperature Storage Range, deg C | -65 to +200 |
| Diameter, in [mm] | 0.33 [8.38] |
| Weight, lbs [g] | 0.03 [13.61] |
| Cable Color | Gray |
| One Time Minimum Bend Radius, in [mm] | 0.8 [20.32] |
| Repeated Minimum Bend Radius, in [mm] | 0.24 [6.1] |

### Cable

| | |
|---|---|
| Cable Inner Conductor | Copper, Silver |
| No of Shields | 3 |
| Cable Outer Conductor | Copper, Silver |
| Dielectric Type | PTFE |
| Jacket Material | ETFE |
| Jacket Diameter, in [mm] | 0.16 [4.06] |

### Connector 1

| | |
|---|---|
| Type | 2.92mm 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, Inch | 5/16 |

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| | |
|---|---|
| Torque, in-lbs [Nm] | 8 [0.9] |
| Body Material and Plating | Passivated Stainless Steel |
| Body Plating Specification | SAE-AMS-2700 |
| Dielectric Type | PPO |

**Connector 2**

| | |
|---|---|
| Type | 2.92mm 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, Inch | 5/16 |
| Torque, in-lbs [Nm] | 8 [0.9] |
| Body Material and Plating | Passivated Stainless Steel |
| Body Plating Specification | SAE-AMS-2700 |
| Dielectric Type | PPO |

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

| | |
|---|---|
| RoHS Compliant | Yes |

**Plotted and Other Data**

| | |
|---|---|
| Notes: | Values at 25 °C, sea level |

2.92mm Male to 2.92mm Male Test Cable Using PE-P160 Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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: 2.92mm Male to 2.92mm Male Test Cable Using PE-P160 Coax, RoHS PE360

URL: http://www.pasternack.com/2.92mm-male-2.92mm-male-pe-p160-cable-assembly-pe360-p.aspx

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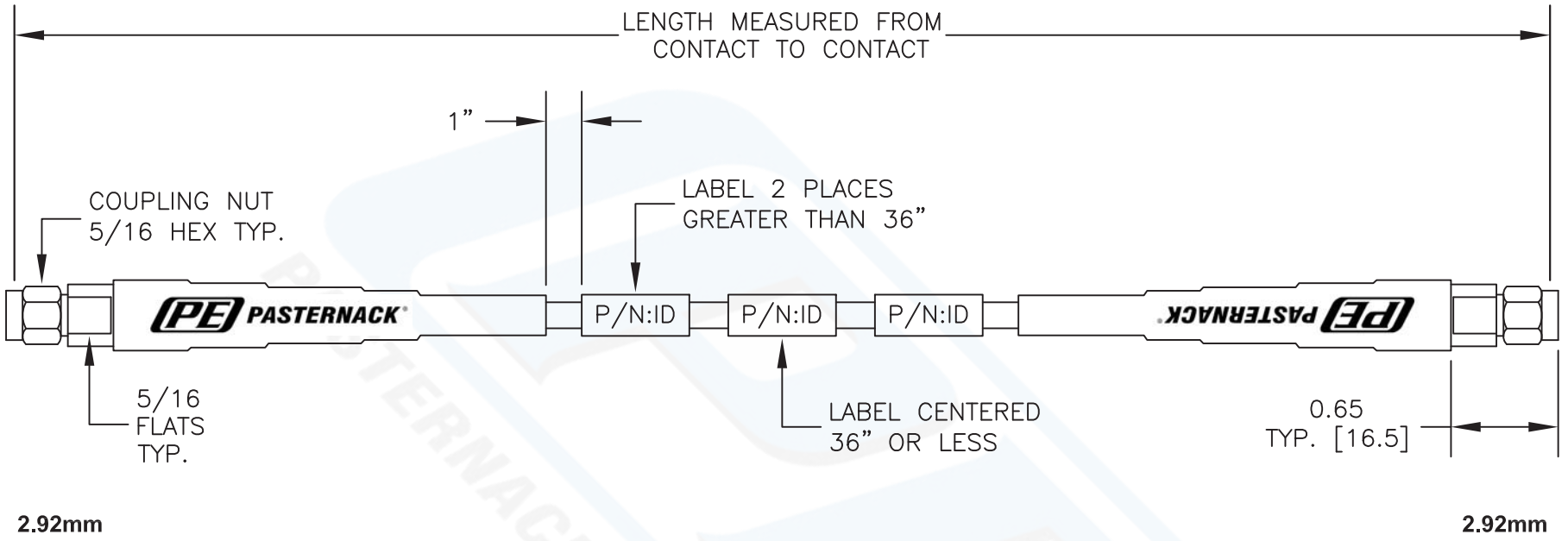
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# PE360 CAD Drawing

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




| How To Order | | Part # Ext. | Length In Inches | Part # Ext. | Length In Centimeters |
|---|---|---|---|---|---|
| **Part Number Configuration**<br>PE3 [zzz] [yy] - [xx] [uu]<br>[zzz]: 00 - 99999<br>[yy]: LF = Lead Free, < Blank > = Standard<br>[xx]: Length<br>[uu]: CM = Centimeters, < Blank > = Inches<br>Note: LF applies only to RF cables | **Examples**<br>PE3000LF-100<br>PE3000-100<br>PE3000LF-100CM<br>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

**PE360**

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 041713 | SCALE N/A | SIZE A | 2233 |
|---|---|---|---|---|