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# SMA Male to SMA Male High Performance Test Cable 26 Ghz 48 Inch Length Using PE-P141 Coax, RoHS

## TECHNICAL DATA SHEET PE350-48

**SMA Male to SMA Male High Performance Test Cable 26 Ghz 48 Inch Length Using PE-P141 Coax, RoHS**

### Configuration

| | |
|---|---|
| Connector 1 | SMA Male |
| Connector 2 | SMA Male |
| Cable Type | PE-P141 |

### Electrical Specifications

| | |
|---|---|
| Frequency Range, GHz | DC to 26.5 |
| Impedance, Ohms | 50 |
| Maximum VSWR | 1.45:1 |
| Maximum Insertion Loss | 1 dB/ft [ 3.28 dB/m ] |
| Velocity of Propagation, % | 70 |
| RF Shielding, dB | 110 |
| Maximum Input Power, Watts | 550 |

**Typical Performance by Frequency**

**Frequency 1**

| | |
|---|---|
| Frequency, GHz | 6 |
| VSWR | 1.15:1 |
| Insertion Loss | 0.4 dB/ft [ 1.31 dB/m ] |

**Frequency 2**

| | |
|---|---|
| Frequency, GHz | 12 |
| VSWR | 1.2:1 |
| Insertion Loss | 0.6 dB/ft [ 1.97 dB/m ] |

**Frequency 3**

| | |
|---|---|
| Frequency, GHz | 18 |
| VSWR | 1.25:1 |
| Insertion Loss | 0.75 dB/ft [ 2.46 dB/m ] |

**Frequency 4**

| | |
|---|---|
| Frequency, GHz | 26.5 |
| VSWR | 1.3:1 |
| Insertion Loss | 1 dB/ft [ 3.28 dB/m ] |

Electrical Specification Notes: Short lengths up to 12” long may exhibit VSWR measurements up to 9% higher.

### Mechanical Specifications

**Cable Assembly**

| | |
|---|---|
| Cable Type | PE-P141 |

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: SMA Male to SMA Male High Performance Test Cable 26 Ghz 48 Inch Length Using PE-P141 Coax, RoHS PE350-48

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
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**Temperature**

| | |
|---|---|
| Temperature Operating Range, deg C | -55 to +125 |

**Size**

| | |
|---|---|
| Length, in [cm] | 48 [121.92] |
| Diameter, in [mm] | 0.163 [4.14] |
| Weight, lbs [g] | 0.028 [12.7] |
| Cable Color | Blue |

**Cable**

| | |
|---|---|
| Center Conductor Type | Solid |
| Cable Inner Conductor | Copper Clad Steel, Silver |
| No of Shields | 2 |
| Dielectric Type | PTFE |
| Jacket Material | FEP |
| Jacket Diameter, in [mm] | 0.163 [4.14] |

**Connector 1**

| | |
|---|---|
| Type | SMA Male |
| Configuration | Straight |

**Connector 2**

| | |
|---|---|
| Type | SMA Male |
| Configuration | Straight |

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

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

**Plotted and Other Data**

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

SMA Male to SMA Male High Performance Test Cable 26 Ghz 48 Inch Length Using PE-P141 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: SMA Male to SMA Male High Performance Test Cable 26 Ghz 48 Inch Length Using PE-P141 Coax, RoHS PE350-48

URL: http://www.pasternack.com/sma-male-sma-male-pe-p141-cable-assembly-pe350-48-p.aspx

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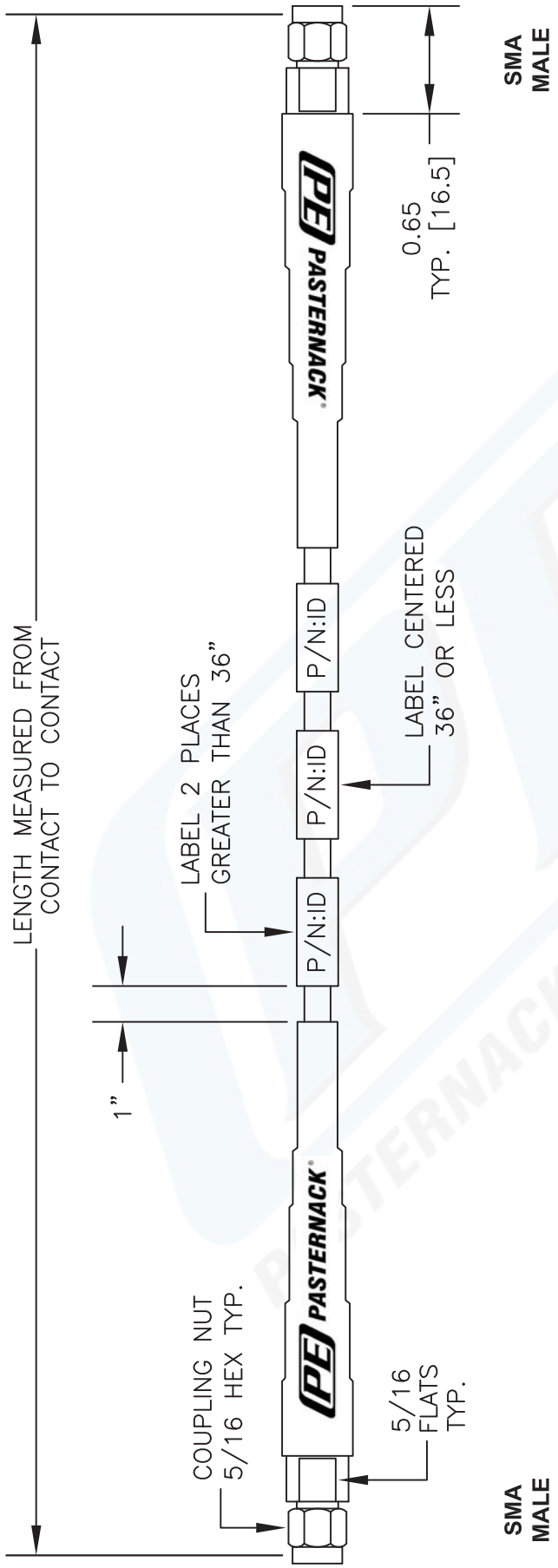
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# PE350-48 CAD Drawing

SMA Male to SMA Male High Performance Test Cable 26 Ghz
48 Inch Length Using PE-P141 Coax, RoHS




| Part # Ext. | Length In Inches | Part # Ext. | Length In Centimeters |
|---|---|---|---|
| -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 |

**How To Order**

Part Number Configuration

PE3 [zzz] [yy] - [xx] [uu]

00 - 99999

LF = Lead Free
< Blank > = Standard

CM = Centimeters
< Blank > = Inches

Length

Note: LF applies only to RF cables

Examples

PE3000LF-100
PE3000-100
PE3000LF-100CM
PE3000-100CM

DWG TITLE **PE350**

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.

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| CAD REV. - | FSCM NO. 53919 | CAD FILE 090612 | SCALE N/A | SIZE A | 2233 |
|---|---|---|---|---|---|

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