



SMA Male to Push-On SMA Male Precision Cable
 48 Inch Length Using 160 Series Coax, RoHS

TECHNICAL DATA SHEET

PE311-48

SMA Male to Push-On SMA Male Precision Cable 48 Inch Length Using 160 Series Coax, RoHS

Configuration

| | |
|-------------|------------|
| Connector 1 | SMA Male |
| Connector 2 | SMA Male |
| Cable Type | 160 Series |

Electrical Specifications

| | |
|--|----------|
| Frequency Range, GHz | DC to 18 |
| Impedance, Ohms | 50 |
| Maximum VSWR | 1.38:1 |
| Velocity of Propagation, % | 70 |
| Dielectric Withstanding Voltage (AC), Vrms | 1,000 |

Typical Electrical Specifications

Frequency 1

| | |
|-----------------|--------------------------|
| Frequency, GHz | 2 |
| VSWR | 1.09:1 |
| Return Loss, dB | 27 |
| Insertion Loss | 0.35 dB/ft [1.15 dB/m] |

Frequency 2

| | |
|-----------------|-------------------------|
| Frequency, GHz | 6 |
| VSWR | 1.12:1 |
| Return Loss, dB | 25 |
| Insertion Loss | 0.6 dB/ft [1.97 dB/m] |

Frequency 3

| | |
|-----------------|------------------------|
| Frequency, GHz | 8 |
| VSWR | 1.17:1 |
| Return Loss, dB | 22 |
| Insertion Loss | 0.7 dB/ft [2.3 dB/m] |

Frequency 4

| | |
|-----------------|---------------------------|
| Frequency, GHz | 18 |
| VSWR | 1.38:1 |
| Return Loss, dB | 16 |
| Insertion Loss | 1.175 dB/ft [3.85 dB/m] |

Mechanical Specifications

Cable Assembly

| | |
|------------|------------|
| Cable Type | 160 Series |
|------------|------------|

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 Push-On SMA Male Precision Cable 48 Inch Length Using 160 Series Coax, RoHS PE311-48](#)

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.





SMA Male to Push-On SMA Male Precision Cable
 48 Inch Length Using 160 Series Coax, RoHS

TECHNICAL DATA SHEET

PE311-48

Temperature

Temperature Operating Range, deg C -55 to +125

Size

Length, in [cm] 48 [121.92]
 Diameter, in [mm] 0.17 [4.32]
 Weight, lbs [g] 0.038 [17.24]
 Cable Color Blue
 One Time Minimum Bend Radius, in [mm] 1 [25.4]

Cable

No of Shields 3
 Dielectric Type PTFE
 Jacket Material FEP
 Jacket Diameter, in [mm] 0.163 [4.14]

Connector 1

Type SMA Male
 Configuration Straight
 Inner Conductor Material and Plating Gold
 Coupling Nut Material and Plating Passivated Stainless Steel
 Hex Size, in. 5/16
 Torque, in-lbs [Nm] 8 [0.9]
 Body Material and Plating Gold
 Dielectric Type PTFE

Connector 2

Type SMA Male
 Configuration Straight
 Inner Conductor Material and Plating Gold
 Outer Conductor Material and Plating Gold
 Body Material and Plating Gold
 Dielectric Type PTFE

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

RoHS Compliant Yes

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 Push-On SMA Male Precision Cable 48 Inch Length Using 160 Series Coax, RoHS PE311-48](#)

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.





SMA Male to Push-On SMA Male Precision Cable
48 Inch Length Using 160 Series Coax, RoHS

TECHNICAL DATA SHEET

PE311-48

Plotted and Other Data

Notes:

Values at 25 °C, sea level

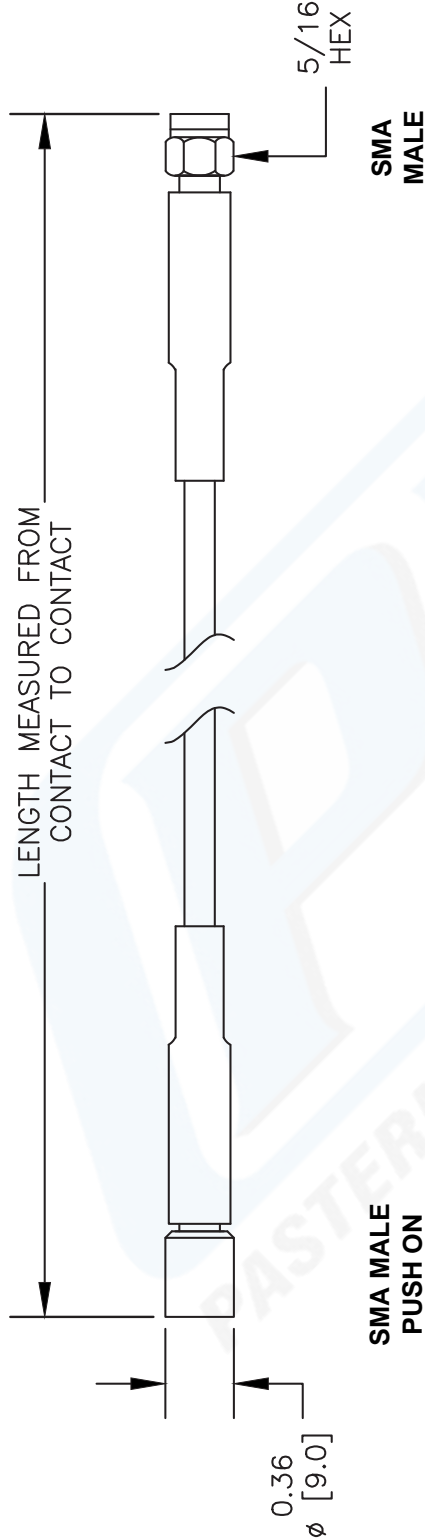
SMA Male to Push-On SMA Male Precision Cable 48 Inch Length Using 160 Series Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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 Push-On SMA Male Precision Cable 48 Inch Length Using 160 Series Coax, RoHS PE311-48](http://www.pasternack.com/sma-male-sma-male-300-series-cable-assembly-pe311-48-p.aspx)

URL: <http://www.pasternack.com/sma-male-sma-male-300-series-cable-assembly-pe311-48-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.

PE311-48 CAD Drawing
 SMA Male to Push-On SMA Male Precision Cable 48 Inch
 Length Using 160 Series Coax, RoHS



| How To Order | | Part # Ext. | Length In Inches | Part # Ext. | Length In Centimeters |
|--|--|-------------|------------------|-------------|-----------------------|
| Part Number Configuration PE3 [zzz] [yy] - [xx] [uu] 00 - 99999 LF = RoHS Compliant < Blank > = Standard Note: LF applies only to RF cables | | -12 | 12" | -25CM | 25Cm |
| Examples PE3000LF-100 PE3000-100 PE3000LF-100CM PE3000-100CM | | -24 | 24" | -50CM | 50Cm |
| CM = Centimeters < Blank > = Inches Length | | -36 | 36" | -75CM | 75Cm |
| | | -48 | 48" | -100CM | 100Cm |
| | | -60 | 60" | -125CM | 125Cm |
| | | -xx | Custom Length | -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
PE311

PE PASTERNAK®
 Pasternack Enterprises, Inc.
 P.O. Box 16759 | Irvine | CA | 92623
 Phone: (949) 261-1920 | Fax: (949) 261-7451
 Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO. 53919

CAD FILE 120711-C

SCALE N/A

SIZE A

2233