SMA Male to Push-On SMA Male Precision Cable Using 160 Series Coax

TECHNICAL DATA SHEET	PE311

Configuration

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

Electrical Specifications

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

Typical Performance by Frequency

Frequency 1

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

Frequency 2

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

Frequency 3

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

Frequency 4

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

Mechanical Specifications

Temperature

Temperature Operating Range	-55 to +125 deg C

Size

Diameter	0.356 in [9.04 mm]
Weight	0.038 lbs [17.24 g]
Cable Color	Blue
One Time Minimum Bend Radius	1 in [25.4 mm]

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 Using 160 Series Coax PE311

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Cable

Cable Type	160 Series
No of Shields	3
Dielectric Type	PTFE
Jacket Material	FEP
Jacket Diameter	0.163 in [4.14 mm]

Connector 1

Type	SMA Male
Configuration	Straight
Mating Cycles	500
Inner Conductor Material and Plating	Gold
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size	5/16 in.
Torque	8 in-lbs [0.9 Nm]
Body Material and Plating	Gold
Dielectric Type	PTFE

Connector 2

Type	SMA Male
Configuration	Straight
Mating Cycles	500
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
REACH Compliant	06/20/2011

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Plotted and Other Data
Notes:
- Values at +25 °C, sea level

SMA Male to Push-On SMA Male Precision Cable Using 160 Series Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.
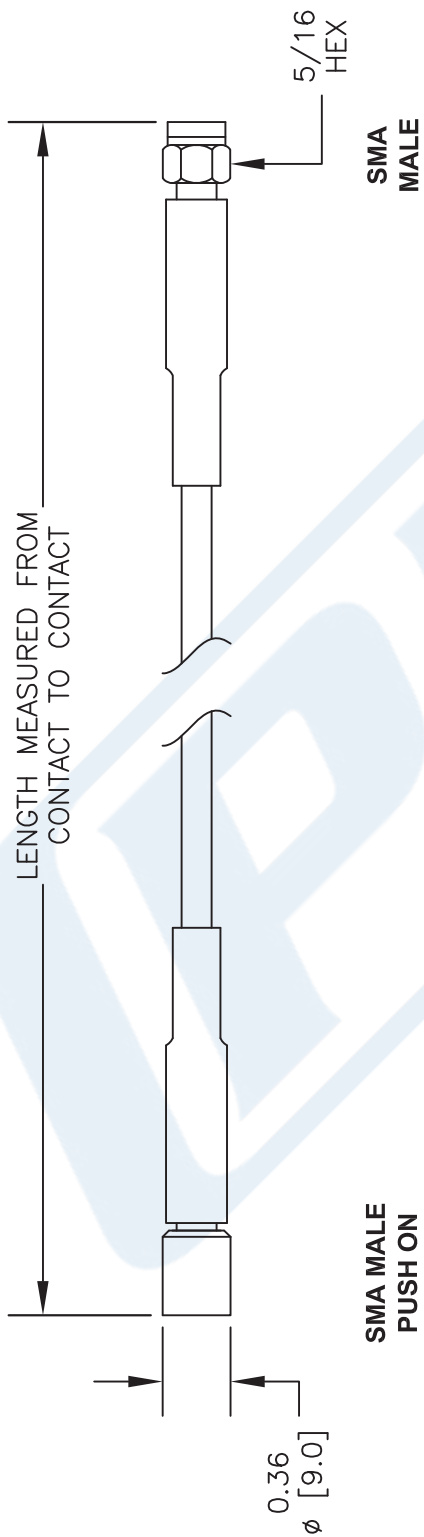
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URL: http://www.pasternack.com/sma-male-sma-male-300-series-cable-assembly-pe311-p.aspx

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.

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5/16 HEX

SMA MALE

LENGTH MEASURED FROM CONTACT TO CONTACT

SMA MALE PUSH ON

0.36 [9.0] Ø

How To Order

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

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

Part Number Configuration

PE3 | zzz | yy | - | xx | uu

CM = Centimeters
< Blank > = Inches
Length

LF = RoHS Compliant
< Blank > = Standard

00 - 99999

Note: LF applies only to RF cables

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**

FSCM NO. 53919

CAD FILE 120711-C

SCALE N/A

SIZE A

2233

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