



SMA Male to N Male Precision Cable
Using 160 Series Coax, RoHS

TECHNICAL DATA SHEET

PE304

SMA Male to N Male Precision Cable Using 160 Series Coax, RoHS

Configuration

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

Electrical Specifications

Frequency Range, GHz	DC to 18
Impedance, Ohms	50
Maximum VSWR	1.4:1
Velocity of Propagation, %	69.5
RF Shielding, dB	90
Maximum Operating Voltage, Vrms	1,200

Typical Performance by Frequency

Frequency 1

Frequency, GHz	2
VSWR	1.1:1

Frequency 2

Frequency, GHz	6
VSWR	1.12:1

Frequency 3

Frequency, GHz	10
VSWR	1.1:1

Frequency 4

Frequency, GHz	14
VSWR	1.13:1

Frequency 5

Frequency, GHz	16
VSWR	1.14:1

Frequency 6

Frequency, GHz	18
VSWR	1.14:1

Electrical Specification Notes:

Short lengths up to 24" long may exhibit VSWR measurements up to 9% higher.

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 N Male Precision Cable Using 160 Series Coax, RoHS PE304](#)

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.



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Mechanical Specifications

Cable Assembly

Cable Type 160 Series

Temperature

Temperature Operating Range, deg C -48 to +204

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

Center Conductor Type Solid
Cable Inner Conductor Copper Clad Steel, Silver

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 Passivated Stainless Steel

Dielectric Type PTFE

Connector 2

Type N Male

Configuration Straight

Inner Conductor Material and Plating Gold

Coupling Nut Material and Plating Passivated Stainless Steel

Hex Size, in. 13/16

Torque, in-lbs [Nm] 15 [1.7]

Body Material and Plating Passivated Stainless Steel

Dielectric Type PTFE

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

RoHS Compliant Yes

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Plotted and Other Data

Notes:

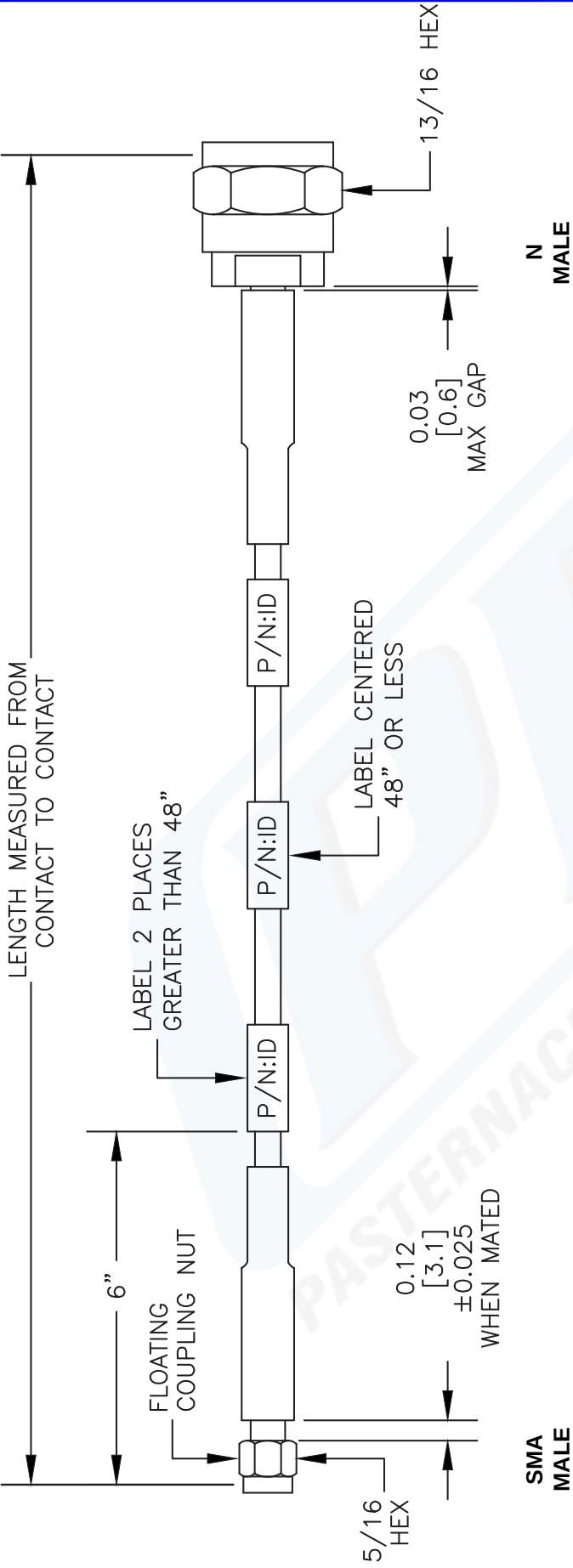
Values at 25 °C, sea level

SMA Male to N Male Precision Cable 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.

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URL: <http://www.pasternack.com/sma-male-n-male-300-series-cable-assembly-pe304-p.aspx>

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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 CM = Centimeters < Blank > = Inches Length Note: LF applies only to RF cables				Examples PE3000LF-100 PE3000-100 PE3000LF-100CM 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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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
PE304

FSCM NO. 53919

CAD FILE 070912-B

SCALE N/A

SIZE A

2233