PASTERNACK®
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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

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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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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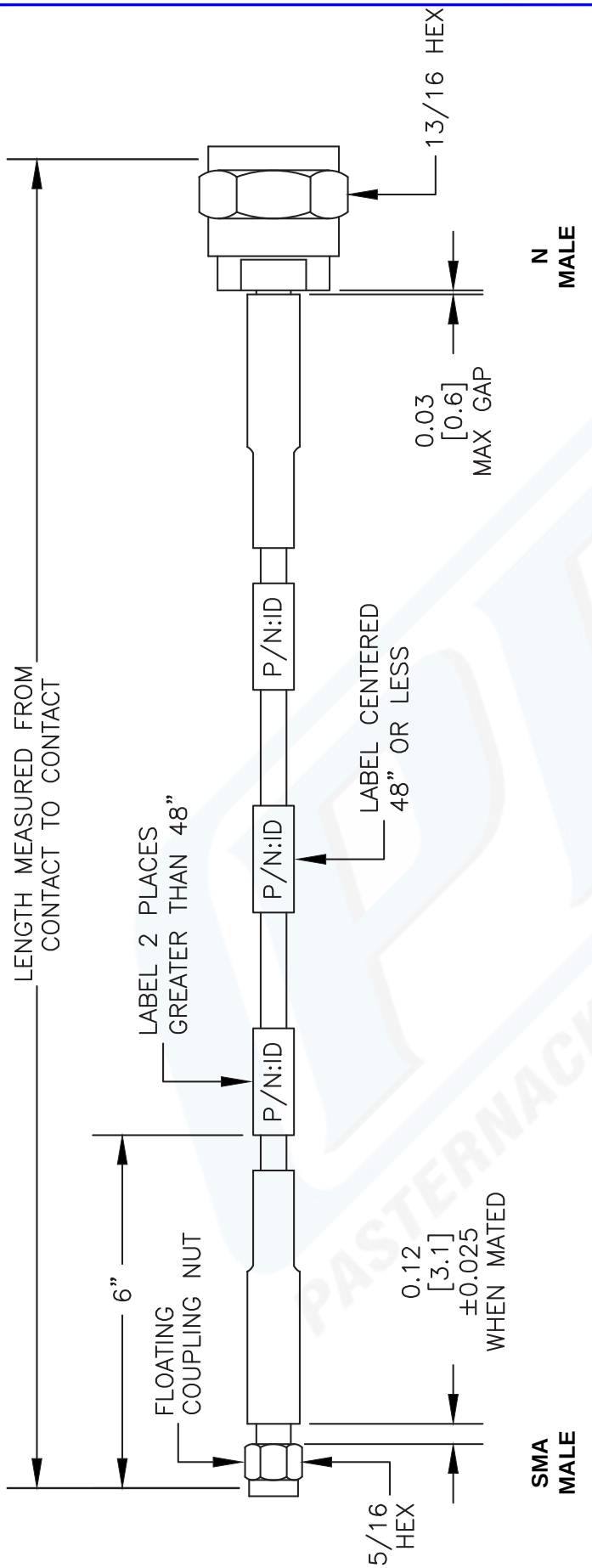
PE304 CAD Drawing

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



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

CM = Centimeters
< Blank > = Inches

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**

CAD FILE 070912-B | SCALE N/A | SIZE A | 2233

FSCM NO. 53919

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