PASTERNACK®
www.pasternack.com



N Male to N Male Precision Cable 120 Inch Length Using 160 Series Coax, RoHS

TECHNICAL DATA SHEET PE302-120

N Male to N Male Precision Cable 120 Inch Length Using 160 Series Coax, RoHS

Configuration

Connector 1	N 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 Electrical Specifications

Frequency 1

Frequency, GHz	2
VSWR	1.04:1
Insertion Loss	20 dB/ft [65.62 dB/m]

Frequency 2

Frequency, GHz	6
VSWR	1.06:1
Insertion Loss	0.3 dB/ft [0.98 dB/m]

Frequency 3

Frequency, GHz	10
VSWR	1.1:1
Insertion Loss	0.4 dB/ft [1.31 dB/m]

Frequency 4

Frequency, GHz	14
VSWR	1.18:1
Insertion Loss	0.5 dB/ft [1.64 dB/m]

Frequency 5

Frequency, GHz	16
VSWR	1.27:1
Insertion Loss	0.55 dB/ft [1.8 dB/m]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: N Male to N Male Precision Cable 120 Inch Length Using 160 Series Coax, RoHS PE302-120

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
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

ISO 9001 : 2008 Registered

© 2013 Pasternack Enterprises All Rights Reserved

PASTERNACK®
www.pasternack.com



N Male to N Male Precision Cable 120 Inch Length Using 160 Series Coax, RoHS

TECHNICAL DATA SHEET PE302-120

Frequency 6

Frequency, GHz	18
VSWR	1.28:1
Insertion Loss	0.6 dB/ft [1.97 dB/m]
Electrical Specification Notes:	Short lengths up to 24” long may exhibit VSWR measurements up to 9% higher.

Mechanical Specifications

Cable Assembly

Cable Type	160 Series

Temperature

Temperature Operating Range, deg C	-48 to +204

Size

Length, in [cm]	120 [304.8]
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	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

Connector 2

Type	N Male
Configuration	Straight
Inner Conductor Material and Plating	Gold

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: N Male to N Male Precision Cable 120 Inch Length Using 160 Series Coax, RoHS PE302-120

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
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

ISO 9001 : 2008 Registered

© 2013 Pasternack Enterprises All Rights Reserved

PASTERNACK®
www.pasternack.com



N Male to N Male Precision Cable 120 Inch Length Using 160 Series Coax, RoHS

TECHNICAL DATA SHEET PE302-120

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

Plotted and Other Data

Notes:	Values at 25 °C, sea level

N Male to N Male Precision Cable 120 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: N Male to N Male Precision Cable 120 Inch Length Using 160 Series Coax, RoHS PE302-120

URL: http://www.pasternack.com/n-male-n-male-300-series-cable-assembly-pe302-120-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.

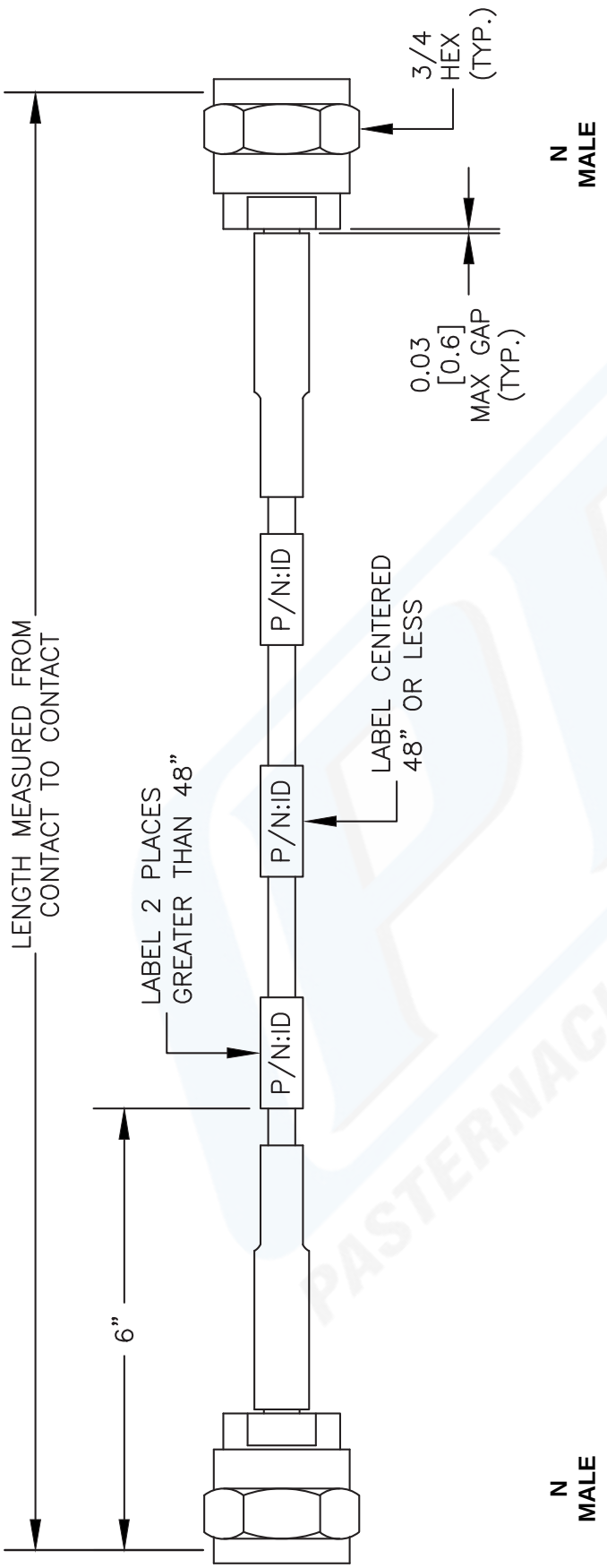
Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

ISO 9001 : 2008 Registered

© 2013 Pasternack Enterprises All Rights Reserved

PE302-120 CAD Drawing

N Male to N Male Precision Cable 120 Inch Length Using 160 Series Coax, RoHS



How To Order

Part Number Configuration

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

- zzz: 00 - 99999
- yy: LF = Lead Free; < Blank > = Standard
- xx: Length
- uu: CM = Centimeters; < Blank > = Inches

Note: LF applies only to RF cables

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

Part # Ext.	Length In Inches
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XX	Custom Length

Part # Ext.	Length In Centimeters
-25CM	25Cm
-50CM	50Cm
-75CM	75Cm
-100CM	100Cm
-125CM	125Cm
-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: **PE302**

FSCM NO. 53919 | CAD FILE 071012-A | SCALE N/A | SIZE A | 2233

PASTERNACK®
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

© 2013 Pasternack Enterprises All Rights Reserved