



N Male to N Male Right Angle Precision Cable
24 Inch Length Using 160 Series Coax, RoHS

TECHNICAL DATA SHEET

PE303-24

Configuration

Connector 1	N Male
Connector 2	N Male Right Angle
Cable Type	160 Series

Electrical Specifications

Frequency Range	DC to 18 GHz
Impedance	50 Ohms
Max VSWR	1.4:1
Velocity of Propagation	69.5 %
RF Shielding	100 dB
Max Operating Voltage	1,200 Vrms

Performance by Frequency

Frequency 1

Frequency	2 GHz
VSWR	1.05:1

Frequency 2

Frequency	6 GHz
VSWR	1.14:1

Frequency 3

Frequency	10 GHz
VSWR	1.24:1

Frequency 4

Frequency	14 GHz
VSWR	1.32:1

Frequency 5

Frequency	16 GHz
VSWR	1.33:1

Frequency 6

Frequency	18 GHz
VSWR	1.34:1

Electrical Specification Notes:

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

Mechanical Specifications

Temperature

Temperature Operating Range	-48 to +204 deg C
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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 Right Angle Precision Cable 24 Inch Length Using 160 Series Coax, RoHS PE303-24](#)



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Size

Length	24 in [609.6 mm]
Diameter	0.17 in [4.32 mm]
Weight	0.038 lbs [17.24 g]
Cable Color	Blue
One Time Minimum Bend Radius	1 in [25.4 mm]

Cable

Cable Type	160 Series
Inner Conductor Type	Solid
Cable Inner Conductor	Copper Clad Steel, Silver
No of Shields	3
Dielectric Type	PTFE
Jacket Material	FEP
Jacket Diameter	0.163 in [4.14 mm]

Connector 1

Type	N Male
Configuration	Straight
Inner Conductor Material and Plating	Gold
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size	13/16 in.
Torque	15 in-lbs [1.7 Nm]
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PTFE

Connector 2

Type	N Male Right Angle
Configuration	Right Angle
Inner Conductor Material and Plating	Gold
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size	13/16 in.
Torque	15 in-lbs [1.7 Nm]
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PTFE

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

RoHS Compliant	Yes
REACH Compliant	06/18/2012

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

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TECHNICAL DATA SHEET

PE303-24

How to Order

Part Number Configuration:

PE303

- **xx**

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE303-12 = 12 inches long cable
PE303-100cm = 100 cm long cable

N Male to N Male Right Angle Precision Cable 24 Inch Length Using 160 Series Coax, RoHS 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.

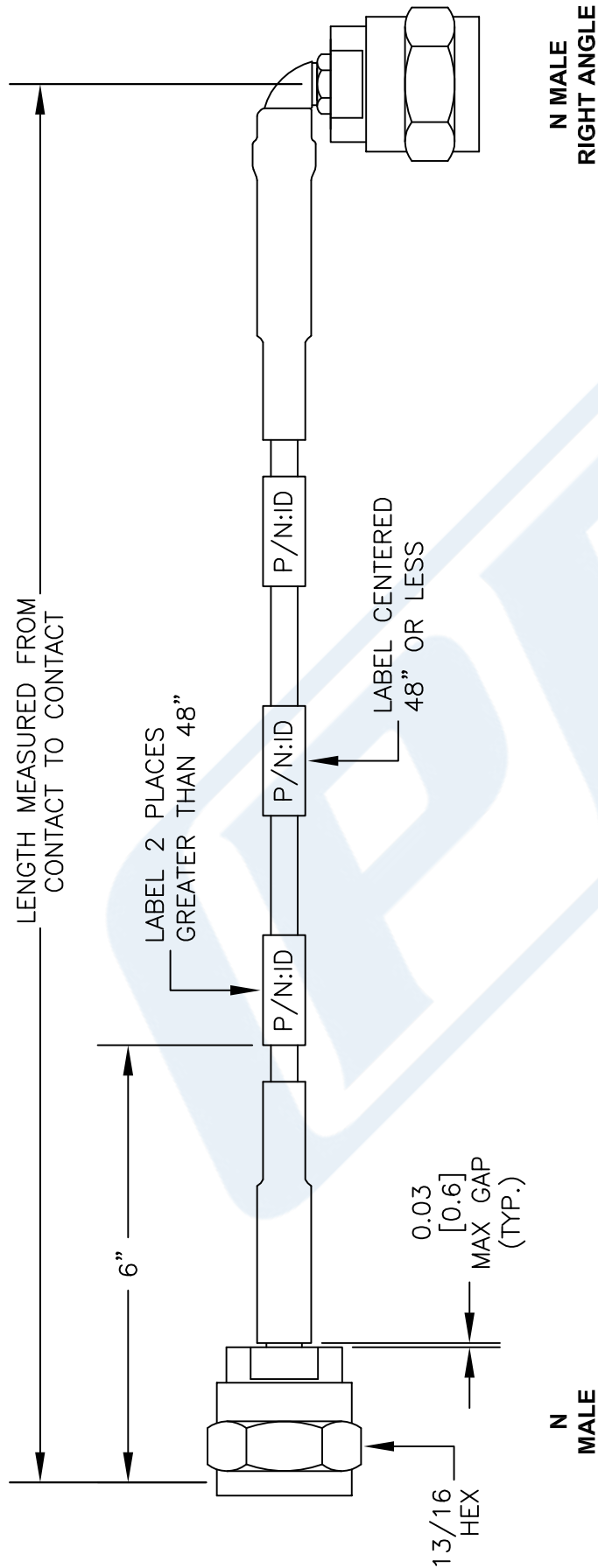
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Right Angle Precision Cable 24 Inch Length Using 160 Series Coax, RoHS PE303-24](#)

URL: <http://www.pasternack.com/n-male-n-male-300-series-cable-assembly-pe303-24-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.

PE303-24 CAD Drawing

N Male to N Male Right Angle Precision Cable 24 Inch
Length Using 160 Series Coax, RoHS



How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration PE3zzzzz <input type="checkbox"/> YY <input type="checkbox"/> - <input type="checkbox"/> XX <input type="checkbox"/> UU LF = RoHS Compliant < Blank > = Standard 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		

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
PE303

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FSCM NO. 53919	CAD FILE 111014	SCALE N/A	SIZE A	150
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