



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

TECHNICAL DATA SHEET

PE303-48

**N Male to N Male Right Angle Precision Cable 48 Inch Length Using 160 Series Coax, RoHS**

**Configuration**

Connector 1	N Male
Connector 2	N Male Right Angle
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	100
Maximum Operating Voltage, Vrms	1,200

**Typical Performance by Frequency**

**Frequency 1**

Frequency, GHz	2
VSWR	1.05:1

**Frequency 2**

Frequency, GHz	6
VSWR	1.14:1

**Frequency 3**

Frequency, GHz	10
VSWR	1.24:1

**Frequency 4**

Frequency, GHz	14
VSWR	1.32:1

**Frequency 5**

Frequency, GHz	16
VSWR	1.33:1

**Frequency 6**

Frequency, GHz	18
VSWR	1.34:1

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: [N Male to N Male Right Angle Precision Cable 48 Inch Length Using 160 Series Coax, RoHS PE303-48](#)

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

##### Size

Length, in [cm] 48 [121.92]  
 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 Right Angle  
 Configuration Right Angle  
 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](http://www.Pasternack.com) for current document)

RoHS Compliant Yes

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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

N Male to N Male Right Angle Precision Cable 48 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.

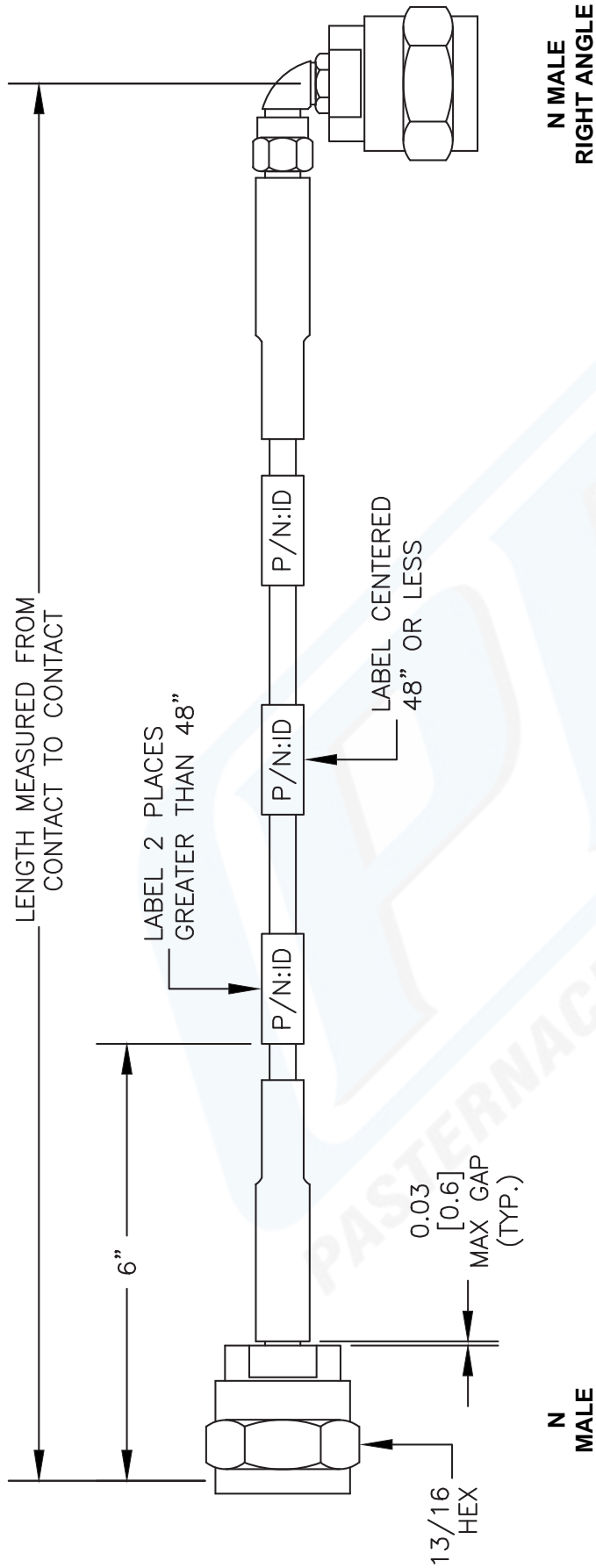
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Right Angle Precision Cable 48 Inch Length Using 160 Series Coax, RoHS PE303-48](http://www.pasternack.com/n-male-n-male-300-series-cable-assembly-pe303-48-p.aspx)

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# PE303-48 CAD Drawing

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How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration		-12	12"	-25CM	25Cm
PE3	zzz yy - xx uu	-24	24"	-50CM	50Cm
00 - 99999	LF = Lead Free < Blank > = Standard	-36	36"	-75CM	75Cm
	Note: LF applies only to RF cables	-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**

**PE PASTERNAK®**  
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REV. A	FSCM NO. 53919	CAD FILE 071012	SCALE N/A	SIZE A	2233
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