PASTERNACK®
THE ENGINEER'S RF SOURCE



SMA Female to N Male Cable 12 Inch Length Using PE-P141 Coax

TECHNICAL DATA SHEET PE356-12

Configuration

Connector 1	SMA Female
Connector 2	N Male
Cable Type	PE-P141

Electrical Specifications

Frequency Range	DC to 18 GHz
Impedance	50 Ohms
Maximum VSWR	1.4:1
Velocity of Propagation	70 %
RF Shielding	110 dB
Dielectric Withstanding Voltage (AC)	500 Vrms

Typical Performance by Frequency

Frequency 1

Frequency	1000 MHz
VSWR	1.4:1
Return Loss	15.56 dB
Insertion Loss	0.13 dB/ft [0.43 dB/m]

Frequency 2

Frequency	2 GHz
VSWR	1.4:1
Return Loss	15.563 dB
Insertion Loss	0.185 dB/ft [0.61 dB/m]

Frequency 3

Frequency	4.5 GHz
VSWR	1.4:1
Return Loss	15.563 dB
Insertion Loss	0.27 dB/ft [0.89 dB/m]

Frequency 4

Frequency	9 GHz
VSWR	1.4:1
Return Loss	15.563 dB
Insertion Loss	0.425 dB/ft [1.39 dB/m]

Frequency 5

Frequency	18 GHz
VSWR	1.4:1
Return Loss	15.563 dB
Insertion Loss	0.64 dB/ft [2.1 dB/m]

Electrical Specification Notes:	Short lengths up to 12" 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 Female to N Male Cable 12 Inch Length Using PE-P141 Coax PE356-12

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

Temperature

Temperature Operating Range	-55 to +125 deg C

Size

Length	12 in [304.8 mm]
Cable Color	Blue

Cable

Cable Type	PE-P141
Inner Conductor Type	Solid
Cable Inner Conductor	Copper Clad Steel, Silver
No of Shields	2
Dielectric Type	PTFE
Jacket Material	FEP
Jacket Diameter	0.163 in [4.14 mm]

Connector 1

Type	SMA Female
Configuration	Straight
Body Material and Plating	Passivated Stainless Steel

Connector 2

Type	N Male
Configuration	Straight
Coupling Nut Material and Plating	Passivated Stainless Steel
Body Material and Plating	Passivated Stainless Steel

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

For RoHS Compliant version, use PE356LF-12. Contact Pasternack if product cannot be found.

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Plotted and Other Data

Notes:

- Values at +25 °C, sea level

SMA Female to N Male Cable 12 Inch Length Using PE-P141 Coax 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: SMA Female to N Male Cable 12 Inch Length Using PE-P141 Coax PE356-12

URL: http://www.pasternack.com/sma-female-n-male-pe-p141-cable-assembly-pe356-12-p.aspx

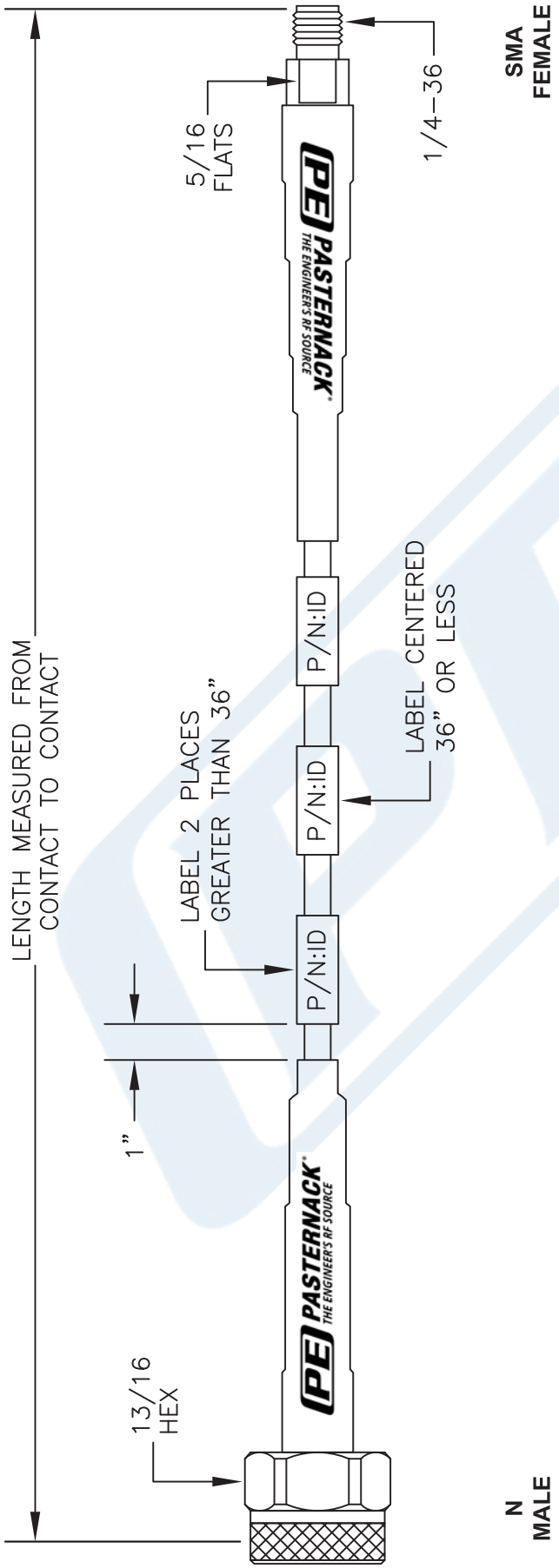
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

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PE356-12 CAD Drawing

SMA Female to N Male Cable 12 Inch Length Using PE-P141 Coax



How To Order			
Part Number Configuration	Examples	Part # Ext.	Length In Inches
PE3zzzzz - yy - xx - uu	PE3000LF-100	-12	12"
LF = RoHS Compliant	PE3000-100	-24	24"
< Blank > = Standard	PE3000LF-100CM	-36	36"
CM = Centimeters	PE3000-100CM	-48	48"
< Blank > = Inches		-60	60"
Length		-xx	Custom Length

Note: LF applies only to RF cables

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
PE356

FSCM NO. 53919 | CAD FILE 111114 | SCALE N/A | SIZE A | 2233

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