



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](#)



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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](http://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:

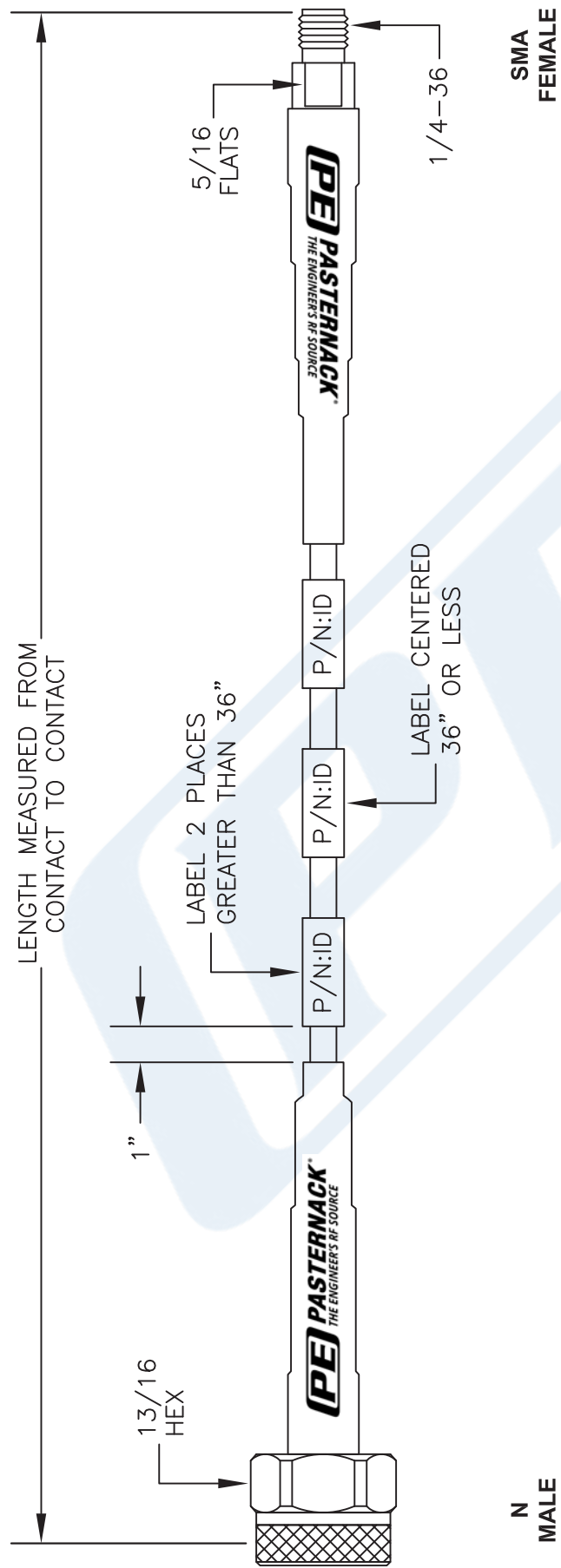
- Values at +25 °C, sea level

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.



How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration		Examples			
PE3zzzzz YV - XX UU		-12	12"	-25CM	25Cm
LF = RoHS Compliant < Blank > = Standard		-24	24"	-50CM	50Cm
Note: LF applies only to RF cables		-36	36"	-75CM	75Cm
CM = Centimeters < Blank > = Inches		-48	48"	-100CM	100Cm
Length		-60	60"	-125CM	125Cm
		-xx	Custom Length	-xxCM	Custom Length

**PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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DWG TITLE

**PE356**

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.

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