



SMA Female to N Male Cable 50 cm Length
Using PE-P141 Coax, RoHS

TECHNICAL DATA SHEET

PE356-50CM

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 50 cm Length Using PE-P141 Coax, RoHS PE356-50CM](#)



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Mechanical Specifications

Temperature

Temperature Operating Range -55 to +125 deg C

Size

Length 19.69 in [500.13 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)

RoHS Compliant Yes

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Plotted and Other Data

Notes:

- Values at +25 °C, sea level

SMA Female to N Male Cable 50 cm Length Using PE-P141 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.

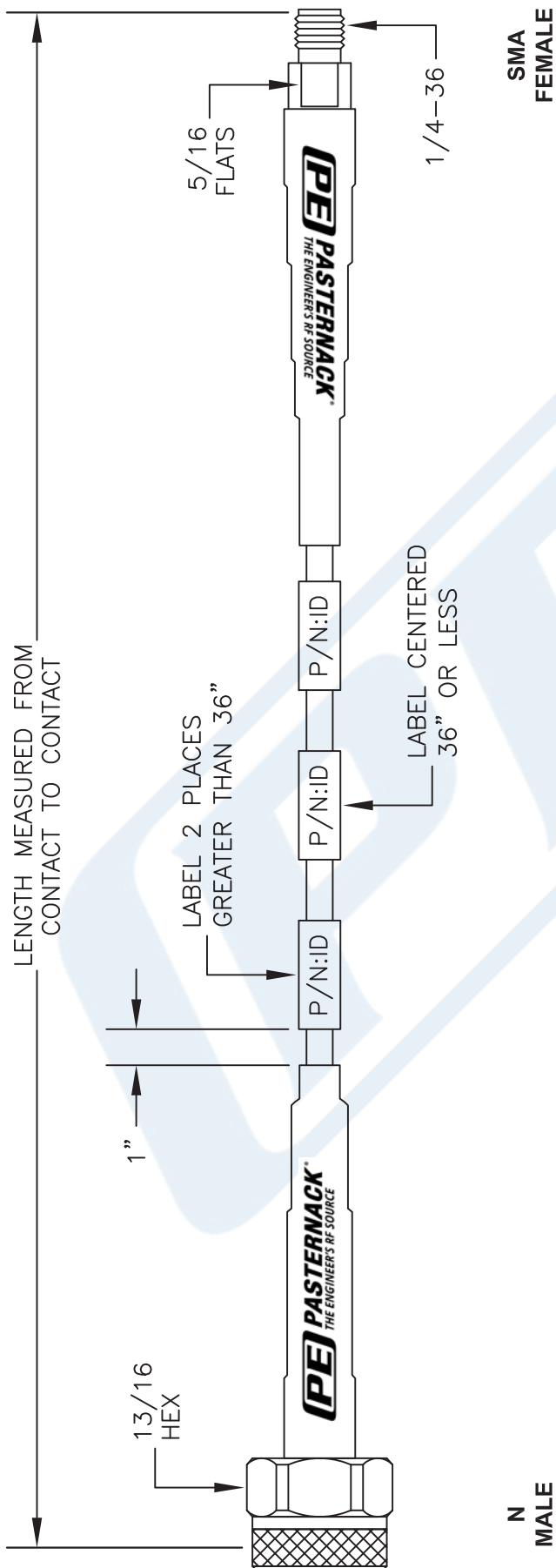
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URL: <http://www.pasternack.com/sma-female-n-male-pe-p141-cable-assembly-pe356-50cm-p.aspx>

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.

PE356-50CM CAD Drawing

SMA Female to N Male Cable 50 cm Length Using PE-P141 Coax, RoHS



N
MALE

SMA
FEMALE

Part Number Configuration		How To Order	
PE3zzzz	YY - XX UU	Part # Ext.	Length In Inches
LF = RoHS Compliant < Blank > = Standard	CM = Centimeters < Blank > = Inches	-12	12"
Note: LF applies only to RF cables	Length	-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

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DWG TITLE
PE356
FSCM NO. 53919
CAD FILE 111114
SCALE N/A
SIZE A
2233

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.