



## N Male to N Male Cable 6 Inch Length Using RG142 Coax

### TECHNICAL DATA SHEET

PE3455-6

#### Configuration

Connector 1	N Male
Connector 2	N Male
Cable Type	RG142

#### Electrical Specifications

Frequency Range	DC to 6 GHz
Impedance	50 Ohms
Max VSWR	1.5:1
Velocity of Propagation	69.2 %
RF Shielding	90 dB

#### Performance by Frequency

##### Frequency 1

Frequency	100 MHz
Insertion Loss	0.039 dB

##### Frequency 2

Frequency	1000 MHz
Insertion Loss	0.13 dB

##### Frequency 3

Frequency	3 GHz
Insertion Loss	0.23 dB

##### Frequency 4

Frequency	5 GHz
Insertion Loss	0.36 dB

#### Mechanical Specifications

##### Temperature

Temperature Operating Range	-55 to +165 deg C
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##### Size

Length	6 in [152.4 mm]
Diameter	0.812 in [20.62 mm]
Weight	0.182 lbs [82.55 g]
Cable Color	Tan
One Time Minimum Bend Radius	0.984 in [24.99 mm]
Repeated Minimum Bend Radius	2 in [50.8 mm]

##### Cable

Cable Type	RG142
Inner Conductor Type	Solid
Cable Inner Conductor	Copper Clad Steel, Silver
No of Shields	2

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 Cable 6 Inch Length Using RG142 Coax PE3455-6](#)



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Dielectric Type  
Jacket Material  
Jacket Diameter

PTFE  
FEP  
0.195 in [4.95 mm]

#### Connector 1

Type  
Connector 1 Specification  
Configuration  
Inner Conductor Material and Plating  
Body Material and Plating  
Dielectric Type

N Male  
MIL-STD-348  
Straight  
Brass, Silver  
Brass, Nickel  
Teflon

#### Connector 2

Type  
Connector 2 Specification  
Configuration  
Inner Conductor Material and Plating  
Body Material and Plating  
Dielectric Type

N Male  
MIL-STD-348  
Straight  
Brass, Silver  
Brass, Nickel  
Teflon

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

For RoHS Compliant version, use PE3455LF-6. Contact Pasternack if product cannot be found.  
REACH Compliant

06/18/2012

#### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

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#### How to Order

Part Number Configuration:

**PE3455**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3455-12 = 12 inches long cable  
PE3455-100cm = 100 cm long cable

N Male to N Male Cable 6 Inch Length Using RG142 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: [N Male to N Male Cable 6 Inch Length Using RG142 Coax PE3455-6](#)

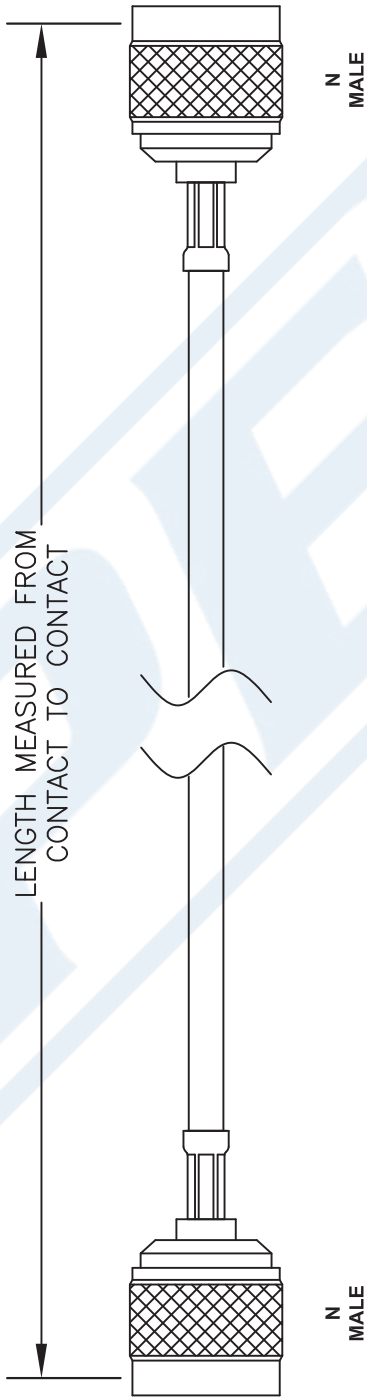
URL: <http://www.pasternack.com/n-male-n-male-rg142bu-cable-assembly-pe3455-6-p.aspx>

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.

PE3455-6 CAD Drawing

N Male to N Male Cable 6 Inch Length Using RG142 Coax

Standard Lengths	
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	Custom Length in Inches



 **PASTERNAK®**  
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DWG TITLE	
REV. A	FSCM NO. 53919
PE3455-XX	

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 $\pm 1.5\%$ OR $3/8"$ , WHICHEVER IS GREATER.			
CAD FILE	021208	SCALE	N/A
SIZE		A	127