



N Male to N Male Cable 18 Inch Length Using RG142 Coax

TECHNICAL DATA SHEET

PE3455-18

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 |
|-----------------------------|-------------------|

Size

| | |
|------------------------------|---------------------|
| Length | 18 in [457.2 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 18 Inch Length Using RG142 Coax PE3455-18](#)



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| | |
|-----------------|--------------------|
| Dielectric Type | PTFE |
| Jacket Material | FEP |
| Jacket Diameter | 0.195 in [4.95 mm] |

Connector 1

| | |
|--------------------------------------|---------------|
| Type | N Male |
| Connector 1 Specification | MIL-STD-348 |
| Configuration | Straight |
| Inner Conductor Material and Plating | Brass, Silver |
| Body Material and Plating | Brass, Nickel |
| Dielectric Type | Teflon |

Connector 2

| | |
|--------------------------------------|---------------|
| Type | N Male |
| Connector 2 Specification | MIL-STD-348 |
| Configuration | Straight |
| Inner Conductor Material and Plating | Brass, Silver |
| Body Material and Plating | Brass, Nickel |
| Dielectric Type | Teflon |

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

For RoHS Compliant version, use PE3455LF-18. 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 18 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 18 Inch Length Using RG142 Coax PE3455-18](#)

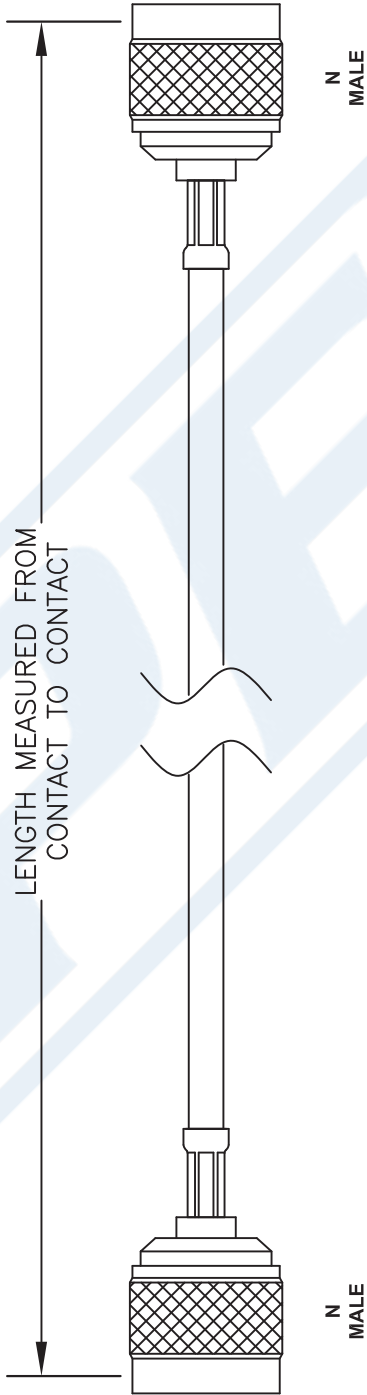
URL: <http://www.pasternack.com/n-male-n-male-rg142bu-cable-assembly-pe3455-18-p.aspx>

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.

PE3455-18 CAD Drawing

N Male to N Male Cable 18 Inch Length Using RG142 Coax

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



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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 |