



N Male to 7/16 DIN Male Cable 60 Inch  
Length Using RG214 Coax

## RF Cable Assemblies - PE3218-60

### Configuration

- Connector 1: N Male
- Connector 2: 7/16 DIN Male
- Cable Type: RG214

### Electrical Specifications

| Description             | Minimum | Typical       | Maximum | Units        |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range         | DC      |               | 7.5     | GHz          |
| Velocity of Propagation |         | 65.9          |         | %            |
| Capacitance             |         | 30.8 [101.05] |         | pF/ft [pF/m] |
| Operating Voltage (AC)  |         |               | 500     | Vrms         |

### Specifications by Frequency

| Description    | F1    | F2    | F3    | F4    | F5    | Units |
|----------------|-------|-------|-------|-------|-------|-------|
| Frequency      | 0.25  | 0.5   | 1     | 2.5   | 7.5   | GHz   |
| Insertion Loss | 0.345 | 0.419 | 0.566 | 0.824 | 1.478 | dB    |

### Mechanical Specifications

#### Cable Assembly

|                              |                      |
|------------------------------|----------------------|
| Length                       | 60 in [152.4 cm]     |
| Diameter                     | 1.25 in [31.75 mm]   |
| Weight                       | 0.456 lbs [206.84 g] |
| Cable Color                  | Black                |
| Connection Type              | Between Series       |
| One Time Minimum Bend Radius | 1.57 in [39.88 mm]   |

#### Cable

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | RG214                      |
| Impedance                            | 50 Ohms                    |
| Inner Conductor Type                 | Stranded                   |
| Inner Conductor Material and Plating | Copper, Silver             |
| Dielectric Type                      | PE (LD)                    |
| Number of Shields                    | 2                          |
| Shield Layer 1                       | Silver Plated Copper Braid |
| Shield Layer 2                       | Silver Plated Copper Braid |

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 7/16 DIN Male Cable 60 Inch Length Using RG214 Coax PE3218-60](#)



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Jacket Material  
Jacket Diameter

PVC  
0.425 in [10.8 mm]

### Connectors

| Description                        | Connector 1      | Connector 2                  |
|------------------------------------|------------------|------------------------------|
| Type                               | N Male           | 7/16 DIN Male                |
| Specification                      | MIL-STD-348A     | IEC 169-4                    |
| Impedance                          | 50 Ohms          | 50 Ohms                      |
| Connection Method                  | Standard         | Standard                     |
| Contact Material and Plating       | Brass, Gold      | Brass/Beryllium Copper, Gold |
| Contact Plating Specification      | 30μ in. minimum  | 30μ in. minimum              |
| Dielectric Type                    | Teflon           | Teflon                       |
| Coupling Nut Material and Plating  | Brass, Nickel    | Brass, Nickel                |
| Coupling Nut Plating Specification | 100μ in. minimum | 100μ in. minimum             |
| Hex Size                           |                  | 32 mm                        |
| Torque                             | [ ]              | 18 ft-lbs [24.41 Nm]         |
| Body Material and Plating          | Brass, Nickel    | Brass, Nickel                |
| Body Plating Specification         | 100μ in. minimum | 100μ in. minimum             |

### Environmental Specifications

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

For RoHS Compliant version, use PE3218LF-60. 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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## RF Cable Assemblies - PE3218-60

### How to Order

Part Number Configuration:

**PE3218**

- **xx**

**uu**

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

Example: PE3218-12 = 12 inches long cable  
PE3218-100cm = 100 cm long cable

N Male to 7/16 DIN Male Cable 60 Inch Length Using RG214 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.

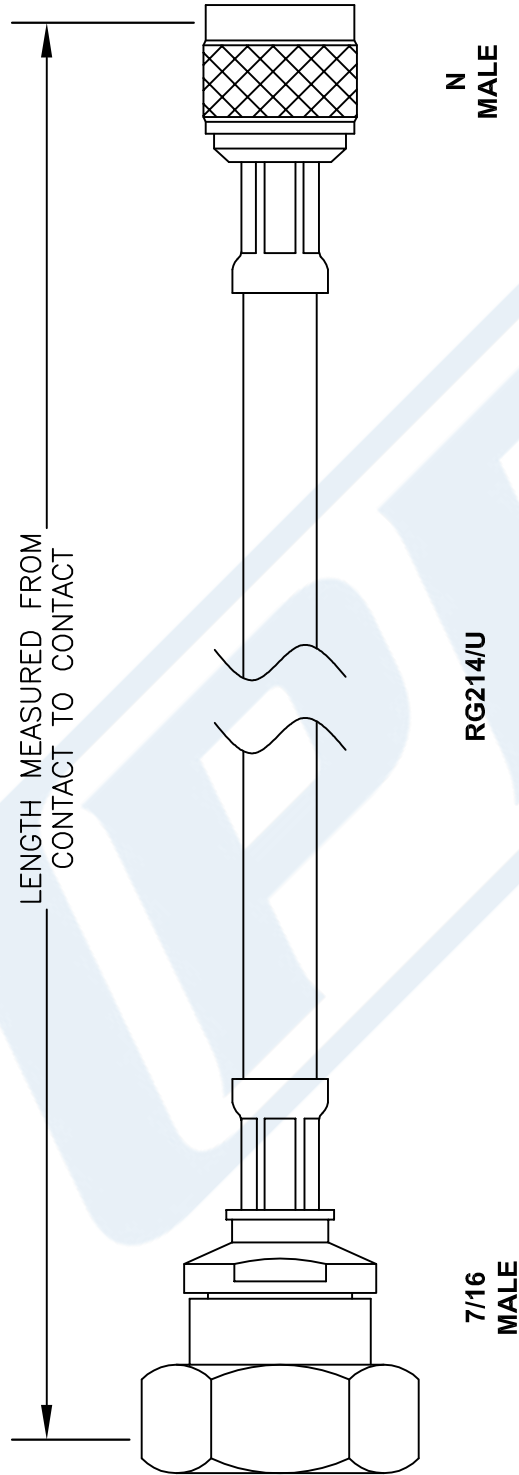
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to 7/16 DIN Male Cable 60 Inch Length Using RG214 Coax PE3218-60](http://www.pasternack.com/n-male-7-16-male-rg214u-cable-assembly-pe3218-60-p.aspx)

URL: <http://www.pasternack.com/n-male-7-16-male-rg214u-cable-assembly-pe3218-60-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.

# PE3218-60 CAD Drawing

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| <div> <div>  <div> <div>PASTERNAK®</div> <div>THE ENGINEER'S RF SOURCE</div> </div> </div> <div> <div>Pasternack Enterprises, Inc.</div> <div>P.O. Box 16759   Irvine   CA   92623</div> <div>Phone: (949) 261-1920   Fax: (949) 261-7451</div> <div>Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a></div> </div> </div> | <div> <div>DWG TITLE</div> <div>PE3218</div> </div> <div> <div>FSCM NO.</div> <div>53919</div> </div> | <div> <div>NOTES:</div> <div> <div>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.</div> <div>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.</div> <div>3. DIMENSIONS ARE IN INCHES [mm].</div> <div>4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.</div> </div> </div> <div> <div>CAD FILE</div> <div>072715</div> </div> <div> <div>SCALE</div> <div>N/A</div> </div> <div> <div>SIZE</div> <div>A</div> </div> <div> <div></div> <div>150</div> </div> |
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