



N Male to N Female Bulkhead Cable  
19.69 Inch Length Using RG402 Coax

**RF Cable Assemblies Technical Data Sheet**

**PE3C3286-50CM**

**Configuration**

- Connector 1: N Male
- Connector 2: N Female Bulkhead
- Cable Type: RG402

**Features**

- Max Frequency 8 GHz

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3C3286-50CM type N male to type N female bulkhead 19.69 inch cable using RG402 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack type N to type N cable assembly has a male to female gender configuration with 50 ohm semi-rigid RG402 coax. The PE3C3286-50CM type N male to type N female cable assembly operates to 8 GHz. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

**Electrical Specifications**

| Description     | Minimum | Typical     | Maximum | Units        |
|-----------------|---------|-------------|---------|--------------|
| Frequency Range | DC      |             | 8       | GHz          |
| VSWR            |         |             | 1.5:1   |              |
| Capacitance     |         | 29.9 [98.1] |         | pF/ft [pF/m] |

**Specifications by Frequency**

| Description           | F1  | F2   | F3   | F4   | F5 | Units |
|-----------------------|-----|------|------|------|----|-------|
| Frequency             | 1   | 2    | 4    | 8    |    | GHz   |
| Insertion Loss (Max.) | 0.4 | 0.46 | 0.58 | 0.82 |    | dB    |

Electrical Specification Notes:

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 Female Bulkhead Cable 19.69 Inch Length Using RG402 Coax PE3C3286-50CM](#)



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The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector loss.

**Mechanical Specifications**

**Cable Assembly**

Length\* 19.69 in [500.13 mm]  
Diameter 0.866 in [22 mm]

**Cable**

Cable Type RG402  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Shield Layer 1 Copper

**Connectors**

| Description                        | Connector 1       | Connector 2           |
|------------------------------------|-------------------|-----------------------|
| Type                               | N Male            | N Female Bulkhead     |
| Specification                      | MIL-STD-348A      |                       |
| Impedance                          | 50 Ohms           | 50 Ohms               |
| Contact Material and Plating       | Brass, Gold       | Phosphor Bronze, Gold |
| Contact Plating Specification      | 30µ in. minimum   |                       |
| Dielectric Type                    | Teflon            | PTFE                  |
| Body Material and Plating          | Brass, Gold       | Brass, Nickel         |
| Body Plating Specification         | 30µ in. minimum   |                       |
| Coupling Nut Material and Plating  | Brass, Nickel     |                       |
| Coupling Nut Plating Specification | 100 µ in. minimum |                       |

Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

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 Female Bulkhead Cable 19.69 Inch Length Using RG402 Coax PE3C3286-50CM](#)

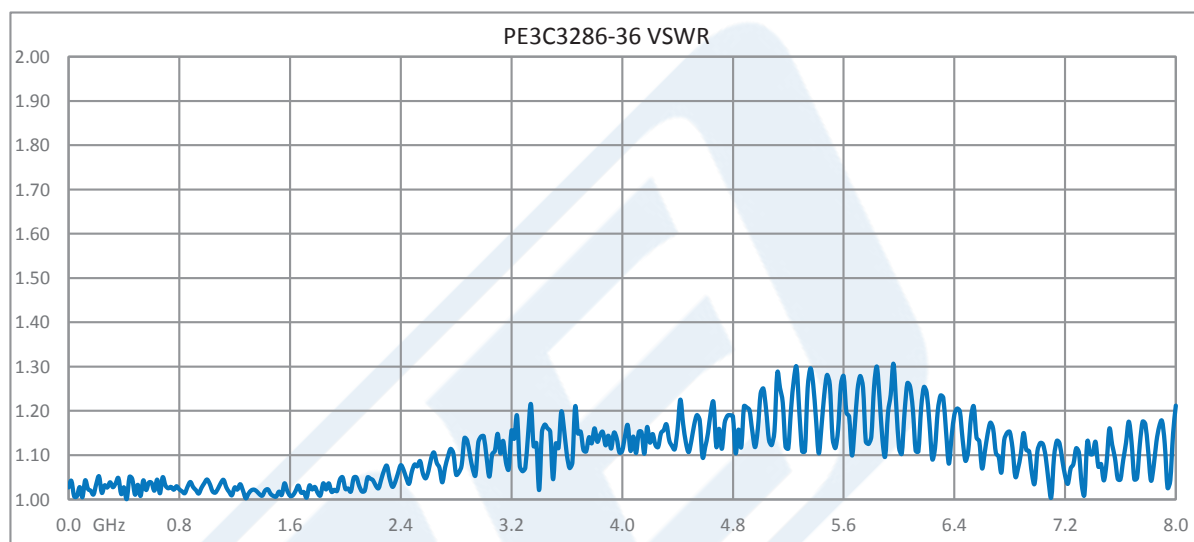


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Typical Performance Data



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 Female Bulkhead Cable 19.69 Inch Length Using RG402 Coax PE3C3286-50CM](#)



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**RF Cable Assemblies Technical Data Sheet**

**PE3C3286-50CM**

**How to Order**

Part Number Configuration:

**PE3C3286**

**- xx**

**uu**

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

Example: PE3C3286-12 = 12 inches long cable  
PE3C3286-100cm = 100 cm long cable

N Male to N Female Bulkhead Cable 19.69 Inch Length Using RG402 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

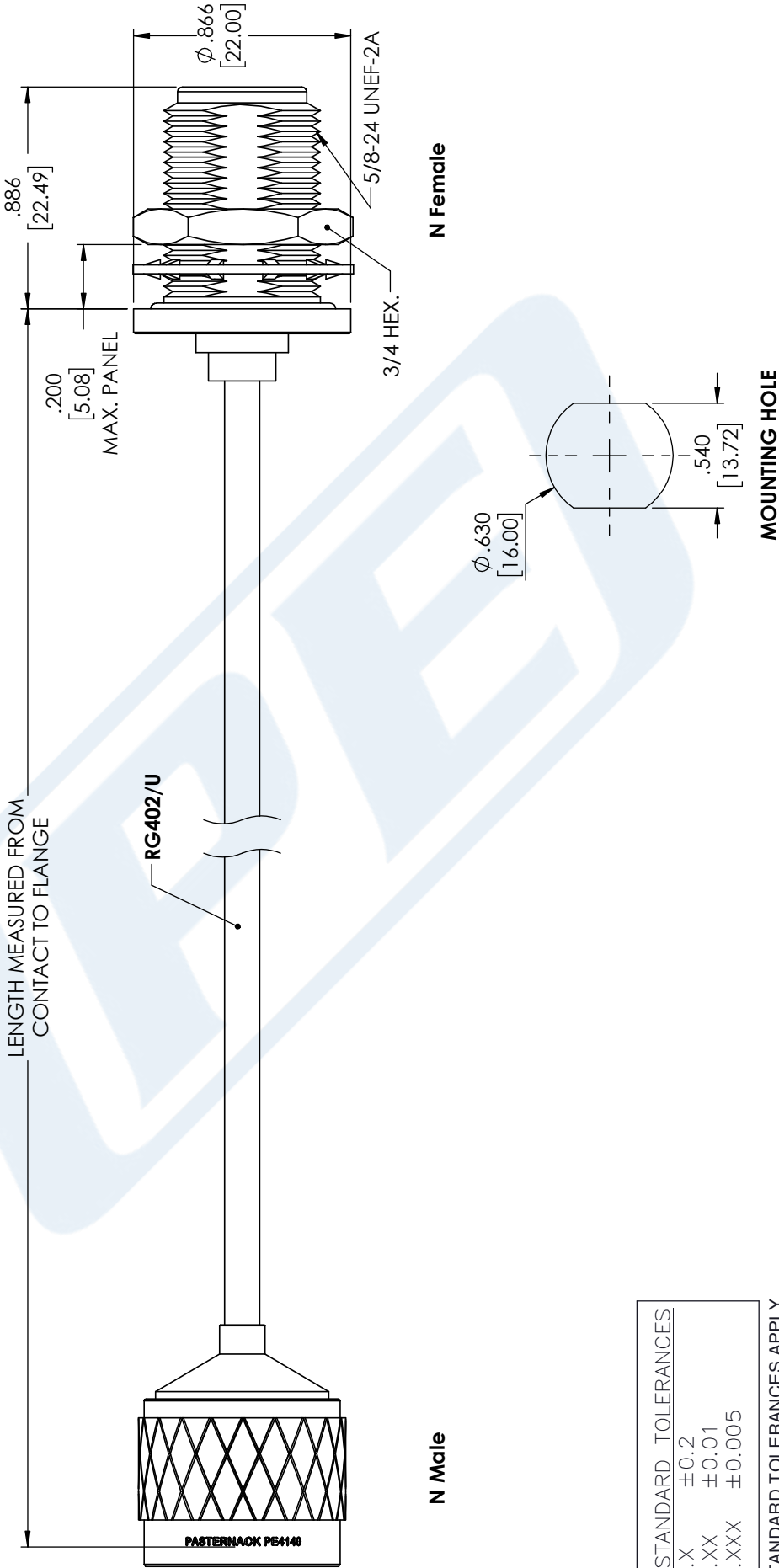
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Female Bulkhead Cable 19.69 Inch Length Using RG402 Coax PE3C3286-50CM](https://www.pasternack.com/n-male-n-female-rg402u-cable-assembly-pe3c3286-50cm-p.aspx)

URL: <https://www.pasternack.com/n-male-n-female-rg402u-cable-assembly-pe3c3286-50cm-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.

PE3C3286-50CM CAD Drawing

N Male to N Female Bulkhead Cable 19.69 Inch Length Using RG402 Coax



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].

DWG TITLE  
PE3C3286

CAGE CODE 53919

SIZE A

SCALE N/A

CAD FILE 09/28/18

CN2245

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