



N Female 4 Hole Flange to N Male Right Angle  
Cable 12 Inch Length Using RG402 Coax

**RF Cable Assemblies Technical Data Sheet**

**PE3W07619-12**

**Configuration**

- Connector 1: N Female 4 Hole Flange
- Connector 2: N Male Right Angle
- Cable Type: RG402

**Features**

- Max Frequency 1 GHz
- 69.5% Phase Velocity

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3W07619-12 type N female 4 hole flange to type N male right angle 12 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 female to male gender configuration with 50 ohm semi-rigid RG402 coax. The PE3W07619-12 type N female to type N male cable assembly operates to 1 GHz. The right angle type N interface on the RG402 cable allows for easier connections in tight spaces. Our RF cable assembly with type N 4 hole flange 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      |         | 1,000   | MHz   |
| VSWR                    |         |         | 1.45:1  |       |
| Velocity of Propagation |         | 69.5    |         | %     |

**Specifications by Frequency**

| Description           | F1   | F2    | F3 | F4 | F5 | Units |
|-----------------------|------|-------|----|----|----|-------|
| Frequency             | 500  | 1,000 |    |    |    | MHz   |
| Insertion Loss (Max.) | 0.38 | 0.41  |    |    |    | dB    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female 4 Hole Flange to N Male Right Angle Cable 12 Inch Length Using RG402 Coax PE3W07619-12](#)



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**Electrical Specification Notes:**

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. Insertion Loss is estimated as 0.1 dB for the N Female connector and 0.2 dB for the N Male connector.

**Mechanical Specifications**

**Cable Assembly**

Length\* 12 in [304.8 mm]  
Diameter 1 in [25.4 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  
Outer Conductor Material and Plating Copper

Repeated Minimum Bend Radius 0.25 in [6.35 mm]

**Connectors**

| Description                        | Connector 1            | Connector 2             |
|------------------------------------|------------------------|-------------------------|
| Type                               | N Female 4 Hole Flange | N Male Right Angle      |
| Specification                      | MIL-STD-348A           | MIL-STD-348             |
| Impedance                          | 50 Ohms                | 50 Ohms                 |
| Contact Material and Plating       | Brass, Gold            | Brass, Gold over Nickel |
| Contact Plating Specification      | 30µ in. minimum        | MIL-G-45204             |
| Dielectric Type                    | PTFE                   | PTFE                    |
| Body Material and Plating          | Brass, Nickel          | Brass, Gold over Nickel |
| Body Plating Specification         | 100µ in. minimum       | MIL-G-45204             |
| Coupling Nut Material and Plating  | Brass, Nickel          | Brass, Nickel           |
| Coupling Nut Plating Specification | 100µ in. minimum       | QQ-N-290                |

**Environmental Specifications**

**Temperature**

Operating Range -55 to +125 deg C

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**PE3W07619-12**

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

### Plotted and Other Data

Notes:

### How to Order

Part Number Configuration:

**PE3W07619**

- **xx**

**uu**

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

Example: PE3W07619-12 = 12 inches long cable  
PE3W07619-100cm = 100 cm long cable

N Female 4 Hole Flange to N Male Right Angle Cable 12 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 Female 4 Hole Flange to N Male Right Angle Cable 12 Inch Length Using RG402 Coax PE3W07619-12](#)

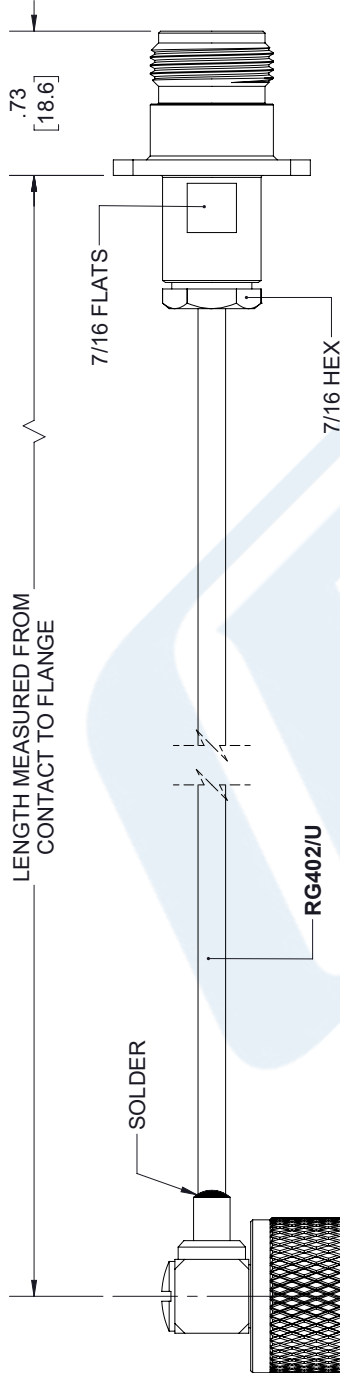
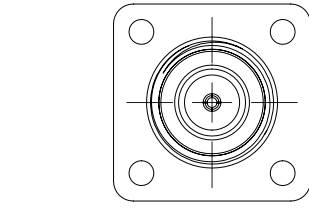
URL:

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# PE3W07619-12 CAD Drawing

N Female 4 Hole Flange to N Male Right Angle Cable 12 Inch Length Using RG402 Coax

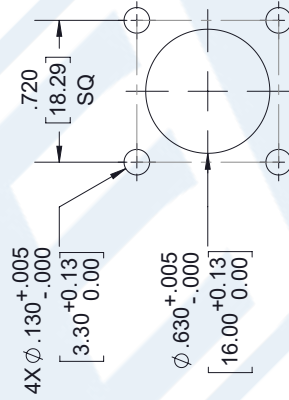
| REVISIONS |                 |           |          |
|-----------|-----------------|-----------|----------|
| REV.      | DESCRIPTION     | DATE      | APPROVED |
| A         | INITIAL RELEASE | 8/20/2020 | SELLIS   |



CONTACT

N MALE  
RA

N FEMALE  
4 HOLE FLANGE



PATTERN  
MOUNTING HOLE

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X = ±.2 [5.08] FRACTIONS  
.XX = ±.02 [.51] ± 1/32  
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = ±1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.



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SHEET 1 OF 1

SCALE N/A

REV A

ITEM NO. PE3W07619

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