



**N Female 4 Hole Flange to N Male Right Angle  
Cable 50 cm Length Using RG402 Coax**

**RF Cable Assemblies Technical Data Sheet**

**PE3W07619-50CM**

**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 PE3W07619-50CM type N female 4 hole flange to type N male right angle 50 cm 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 PE3W07619-50CM 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.)	0.42	0.48				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 50 cm Length Using RG402 Coax PE3W07619-50CM](#)



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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\* 19.68 in [499.87 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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**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 50 cm 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.

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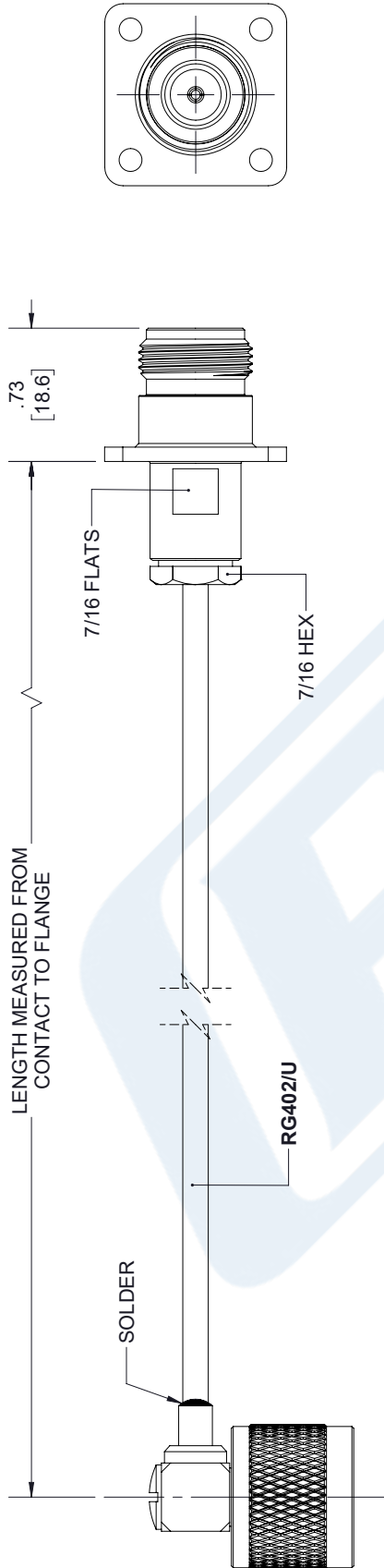
URL:

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.

# PE3W07619-50CM CAD Drawing

N Female 4 Hole Flange to N Male Right Angle Cable 50 cm 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 [ .008 ] 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.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

REV A



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ITEM NO. 53919

PE3W07619

REV A