

SMA Male to N Female 4 Hole Flange Cable Using  
RG400 Coax with HeatShrink, LF Solder



## RF Cable Assemblies Technical Data Sheet

**PE35034LF/HS**

### Configuration

- Connector 1: SMA Male
- Connector 2: N Female 4 Hole Flange
- Cable Type: RG400

### Features

- Max Frequency 11 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

### Applications

- General Purpose
- Laboratory Use

### Description

Pasternack's PE35034LF/HS SMA male to type N female 4 hole flange cable using RG400 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to type N cable assembly has a male to female gender configuration with 50 ohm flexible RG400 coax. The PE35034LF/HS SMA male to type N female cable assembly operates to 11 GHz. 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. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to N Female 4 Hole Flange Cable Using RG400 Coax with HeatShrink, LF Solder PE35034LF/HS](#)



## SMA Male to N Female 4 Hole Flange Cable Using RG400 Coax with HeatShrink, LF Solder

### RF Cable Assemblies Technical Data Sheet

**PE35034LF/HS**

#### Electrical Specifications

| Description             | Minimum | Typical     | Maximum | Units        |
|-------------------------|---------|-------------|---------|--------------|
| Frequency Range         | DC      |             | 11      | GHz          |
| Velocity of Propagation |         | 70          |         | %            |
| Capacitance             |         | 32 [104.99] |         | pF/ft [pF/m] |
| Operating Voltage (AC)  |         |             | 500     | Vrms         |

#### Specifications by Frequency

| Description           | F1    | F2    | F3    | F4    | F5    | Units |
|-----------------------|-------|-------|-------|-------|-------|-------|
| Frequency             | 0.5   | 1     | 2.5   | 5     | 11    | GHz   |
| Insertion Loss (Typ.) | 0.099 | 0.147 | 0.238 | 0.361 | 0.578 | dB/ft |
|                       | 0.32  | 0.48  | 0.78  | 1.18  | 1.9   | dB/m  |

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

#### Mechanical Specifications

##### Cable Assembly

###### Cable

Cable Type

RG400

Impedance

50 Ohms

Inner Conductor Type

Stranded

Inner Conductor Material and Plating

Copper, Silver

Dielectric Type

PTFE

Number of Shields

2

Shield Layer 1

Silver Plated Copper Braid

Shield Layer 2

Silver Plated Copper Braid

Jacket Material

FEP, Tan

Jacket Diameter

0.195 in [4.95 mm]

Repeated Minimum Bend Radius

1 in [25.4 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to N Female 4 Hole Flange Cable Using RG400 Coax with HeatShrink, LF Solder PE35034LF/HS](#)

## SMA Male to N Female 4 Hole Flange Cable Using RG400 Coax with HeatShrink, LF Solder



### RF Cable Assemblies Technical Data Sheet

**PE35034LF/HS**

#### Connectors

| Description                        | Connector 1          | Connector 2            |
|------------------------------------|----------------------|------------------------|
| Type                               | SMA Male             | N Female 4 Hole Flange |
| Specification                      | MIL-STD-348A         | MIL-STD-348A           |
| Impedance                          | 50 Ohms              | 50 Ohms                |
| Contact Material and Plating       | Brass, Gold          | Brass, Gold            |
| Contact Plating Specification      | 50 $\mu$ in minimum  | 30 $\mu$ in minimum    |
| Dielectric Type                    | PTFE                 | PTFE                   |
| Body Material and Plating          | Brass, Nickel        | Brass, Nickel          |
| Body Plating Specification         | 100 $\mu$ in minimum | 100 $\mu$ in minimum   |
| Coupling Nut Material and Plating  | Brass, Nickel        |                        |
| Coupling Nut Plating Specification | 100 $\mu$ in minimum |                        |
| Hex Size                           | 5/16 inch            |                        |
| Torque                             | 3 in-lbs [0.34 Nm]   |                        |

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +165 deg C

#### 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: [SMA Male to N Female 4 Hole Flange Cable Using RG400 Coax with HeatShrink, LF Solder PE35034LF/HS](#)

SMA Male to N Female 4 Hole Flange Cable Using  
RG400 Coax with HeatShrink, LF Solder



**RF Cable Assemblies Technical Data Sheet**

**PE35034LF/HS**

**How to Order**

Part Number Configuration:

**PE35034LF/HS - xx**

**uu**

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

Example: PE35034LF/HS-12 = 12 inches long cable  
PE35034LF/HS-100cm = 100 cm long cable

SMA Male to N Female 4 Hole Flange Cable Using RG400 Coax with HeatShrink, LF Solder 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: [SMA Male to N Female 4 Hole Flange Cable Using RG400 Coax with HeatShrink, LF Solder PE35034LF/HS](#)

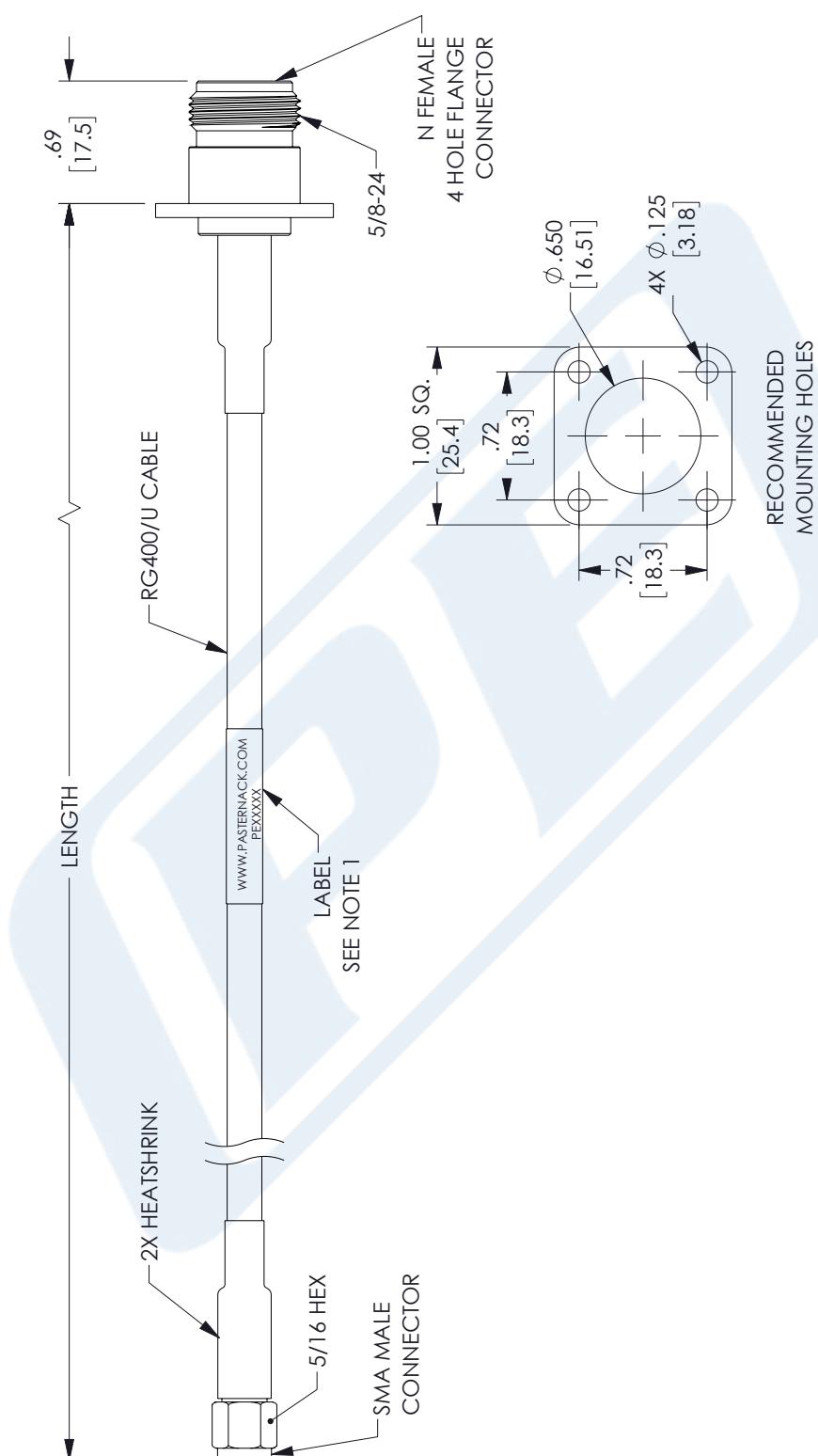
URL:

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.

PE35034LF/HS CAD Drawing

## SMA Male to N Female 4 Hole Flange Cable Using RG400 Coax with HeatShrink, LF Solder

| ZONE | REV. | DESCRIPTION     | DATE       | CHANGED BY | APPROVED BY |
|------|------|-----------------|------------|------------|-------------|
|      | A    | INITIAL RELEASE | 12/02/2022 |            | SRAUTUS     |



## NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:  
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.  
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY  
6 INCHES FROM EACH CONNECTOR.  
CARB ASSEMBLIES SHALL BE TESTED FOR CONTINUITY
- 2.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED.