



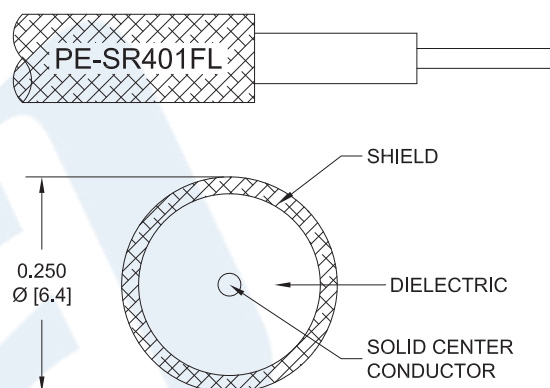
N Male to N Male Cable 50 cm Length Using PE-SR401FL Coax

RF Cable Assemblies Technical Data Sheet

PE3W00109-50CM

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: PE-SR401FL



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00109-50CM type N male to type N male 50 cm cable using PE-SR401FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack type N to type N cable assembly has a male to male gender configuration with 50 ohm formable PE-SR401FL coax.

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.

Mechanical Specifications

Cable Assembly

| | |
|----------|----------------------|
| Length* | 19.69 in [500.13 mm] |
| Diameter | 0.75 in [19.05 mm] |

Cable

| | |
|--------------------------------------|---------------------|
| Cable Type | PE-SR401FL |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Shield Layer 1 | Tinned 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 N Male Cable 50 cm Length Using PE-SR401FL Coax PE3W00109-50CM](#)



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One Time Minimum Bend Radius 1.18 in [29.97 mm]
Repeated Minimum Bend Radius 4.7 in [119.38 mm]

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------|---------------|---------------|
| Type | N Male | N Male |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Dielectric Type | Teflon | Teflon |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |

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:

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PE3W00109-50CM

How to Order

Part Number Configuration:

PE3W00109

- **xx**

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W00109-12 = 12 inches long cable
PE3W00109-100cm = 100 cm long cable

N Male to N Male Cable 50 cm Length Using PE-SR401FL 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 Male Cable 50 cm Length Using PE-SR401FL Coax PE3W00109-50CM](https://www.pasternack.com/n-male-n-male-pe-sr401fl-cable-assembly-pe3w00109-50cm-p.aspx)

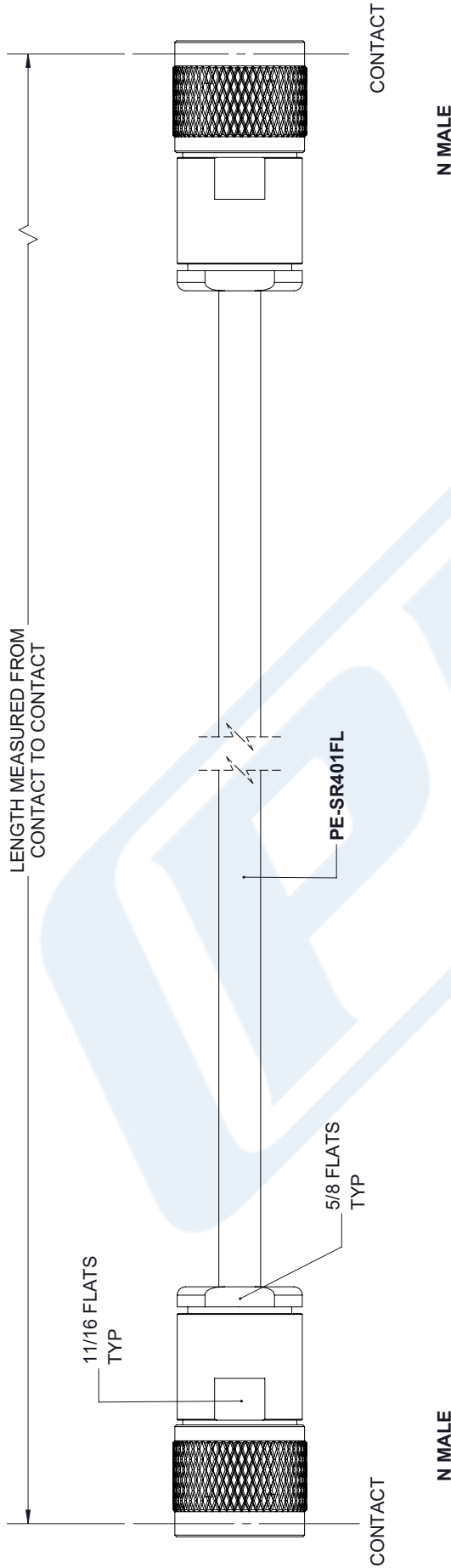
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

PE3W00109-50CM CAD Drawing

N Male to N Male Cable 50 cm Length Using PE-SR401FL Coax

| REVISIONS | | | |
|-----------|-----------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 04/30/19 | S. ELLIS |



| | | | | | | | | | | | |
|--|---------------------------------------|-------------|-----------|---------|-------|-------|-----------|-------|-------------|---|---|
| <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="0"> <tr> <td>X±.2</td> <td>[5.08]</td> <td>FRACTIONS</td> </tr> <tr> <td>.XX±.01</td> <td>[.25]</td> <td>±.132</td> </tr> <tr> <td>.XXX±.005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>THIRD-ANGLE PROJECTION</p> | X±.2 | [5.08] | FRACTIONS | .XX±.01 | [.25] | ±.132 | .XXX±.005 | [.13] | ANGLES ± 1° | <p>PE PASTERNAK an INFINITO brand</p> <p>Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com</p> | <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p> |
| | X±.2 | [5.08] | FRACTIONS | | | | | | | | |
| .XX±.01 | [.25] | ±.132 | | | | | | | | | |
| .XXX±.005 | [.13] | ANGLES ± 1° | | | | | | | | | |
| <p>SIZE: A</p> <p>CAGE: 53919</p> <p>DRAWN BY: K.DANG</p> <p>PART NUMBER: PE3W00109</p> | <p>SHEET 1 OF 1</p> <p>SCALE: N/A</p> | | | | | | | | | | |

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