

3.5mm Female Bulkhead to N Female Cable Using PE-SR402FL Coax



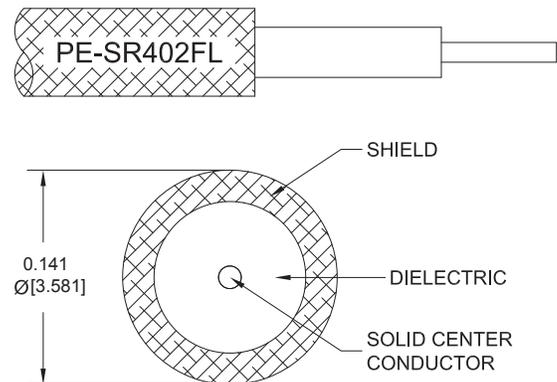
PE3C10097

Configuration

- Connector 1: 3.5mm Female Bulkhead
- Connector 2: N Female
- Cable Type: PE-SR402FL
- Coax Flex Type: Formable

Features

- Shielding Effectivity > 110 dB
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C10097 3.5mm female bulkhead to type N female cable using PE-SR402FL 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 3.5mm to type N cable assembly has a female to female gender configuration with 50 ohm formable PE-SR402FL coax. Our RF cable assembly with 3.5mm 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 |
|-------------------------------|---------|-------------|---------|-----------------------|
| Velocity of Propagation | | 69.5 | | % |
| RF Shielding | 110 | | | dB |
| Capacitance | | 29 [95.14] | | pF/ft [pF/m] |
| DC Resistance Inner Conductor | | 7.8 [25.59] | | Ohms/1000ft [Ohms/Km] |
| DC Resistance Outer Conductor | | 5.5 [18.04] | | Ohms/1000ft [Ohms/Km] |

Mechanical Specifications

Cable Assembly

| | |
|----------------|---------------------|
| Width/Diameter | 0.5 in [12.7 mm] |
| Weight | 0.106 lbs [48.08 g] |

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PE3C10097

Cable

| | |
|--|---------------------|
| Cable Type | PE-SR402FL |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PTFE |
| Outer Conductor 1 Material and Plating | Tinned Copper Braid |
| Repeated Minimum Bend Radius | 0.625 in [15.88 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------|----------------------------|-----------------------------------|
| Type | 3.5mm Female Bulkhead | N Female |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Straight |
| Contact Material and Plating | Gold | Phosphor Bronze, Gold over Nickel |
| Dielectric Type | PTFE | PTFE |
| Body Material and Plating | Passivated Stainless Steel | Brass, Nickel |

Environmental Specifications

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

Plotted and Other Data

Notes:

3.5mm Female Bulkhead to N Female Cable Using PE-SR402FL Coax



PE3C10097

Typical Performance Data

How to Order

Part Number Configuration:

PE3C10097

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C10097-12 = 12 inches long cable
PE3C10097-100cm = 100 cm long cable

3.5mm Female Bulkhead to N Female Cable Using PE-SR402FL 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.

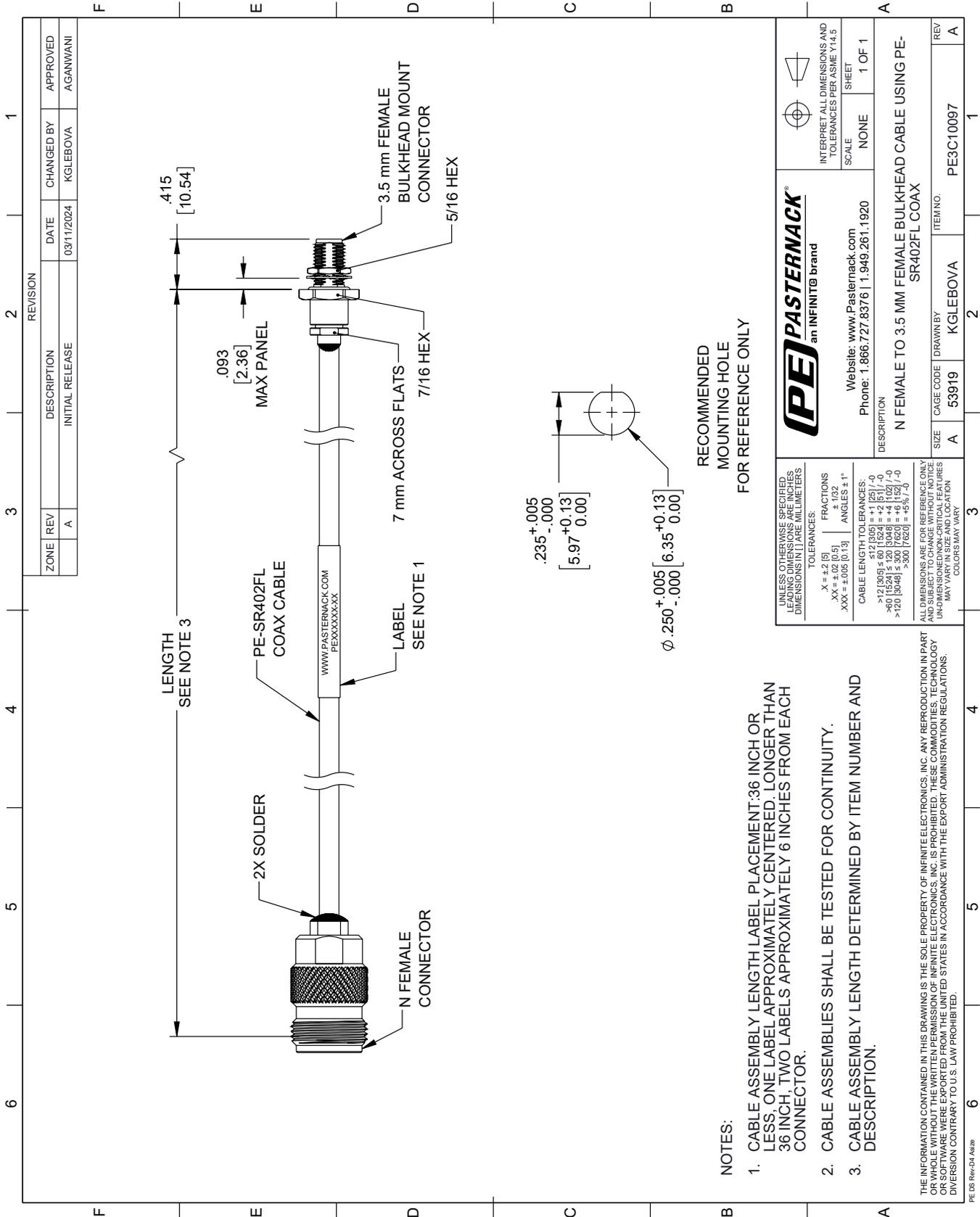
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Female Bulkhead to N Female Cable Using PE-SR402FL Coax PE3C10097](https://www.pasternack.com/3.5mm-female-bulkhead-to-n-female-cable-using-pe-sr402fl-pe3c10097-p.aspx)

URL: <https://www.pasternack.com/3.5mm-female-bulkhead-to-n-female-cable-using-pe-sr402fl-pe3c10097-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3C10097 CAD Drawing

3.5mm Female Bulkhead to N Female Cable Using PE-SR402FL Coax



| REVISION | | DATE | CHANGED BY | APPROVED | |
|----------|-----|-----------------|------------|------------|----------|
| ZONE | REV | DESCRIPTION | DATE | CHANGED BY | APPROVED |
| | A | INITIAL RELEASE | 03/11/2024 | KGLEBOVA | AGANWANI |

| | | | |
|--|--|--|--|
| PASTERNAK an INFINITI® brand | | Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920 | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1 |
| DESCRIPTION N FEMALE TO 3.5 MM FEMALE BULKHEAD CABLE USING PE-SR402FL COAX | | CAGE CODE A 53919 | ITEM NO. PE3C10097 |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS. | | ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS. | |

- NOTES:**
- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
 - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM NUMBER AND DESCRIPTION.

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