

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



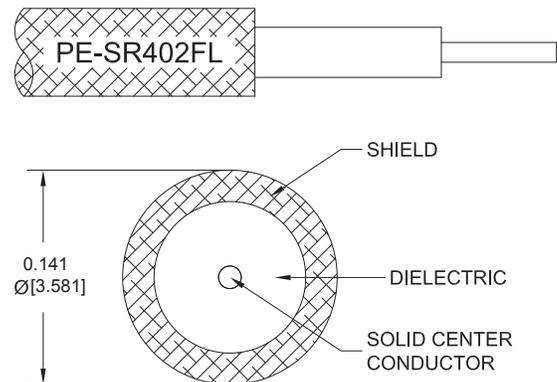
PE3C10085

Configuration

- Connector 1: 3.5mm Female Bulkhead
- Connector 2: TNC 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 PE3C10085 3.5mm female bulkhead to TNC 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 TNC 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	0.117 lbs [53.07 g]

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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	TNC Female
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Gold	Beryllium Copper, 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:

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PE3C10085

Typical Performance Data

How to Order

Part Number Configuration:

PE3C10085

- **xx**

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C10085-12 = 12 inches long cable
PE3C10085-100cm = 100 cm long cable

3.5mm Female Bulkhead to TNC 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.

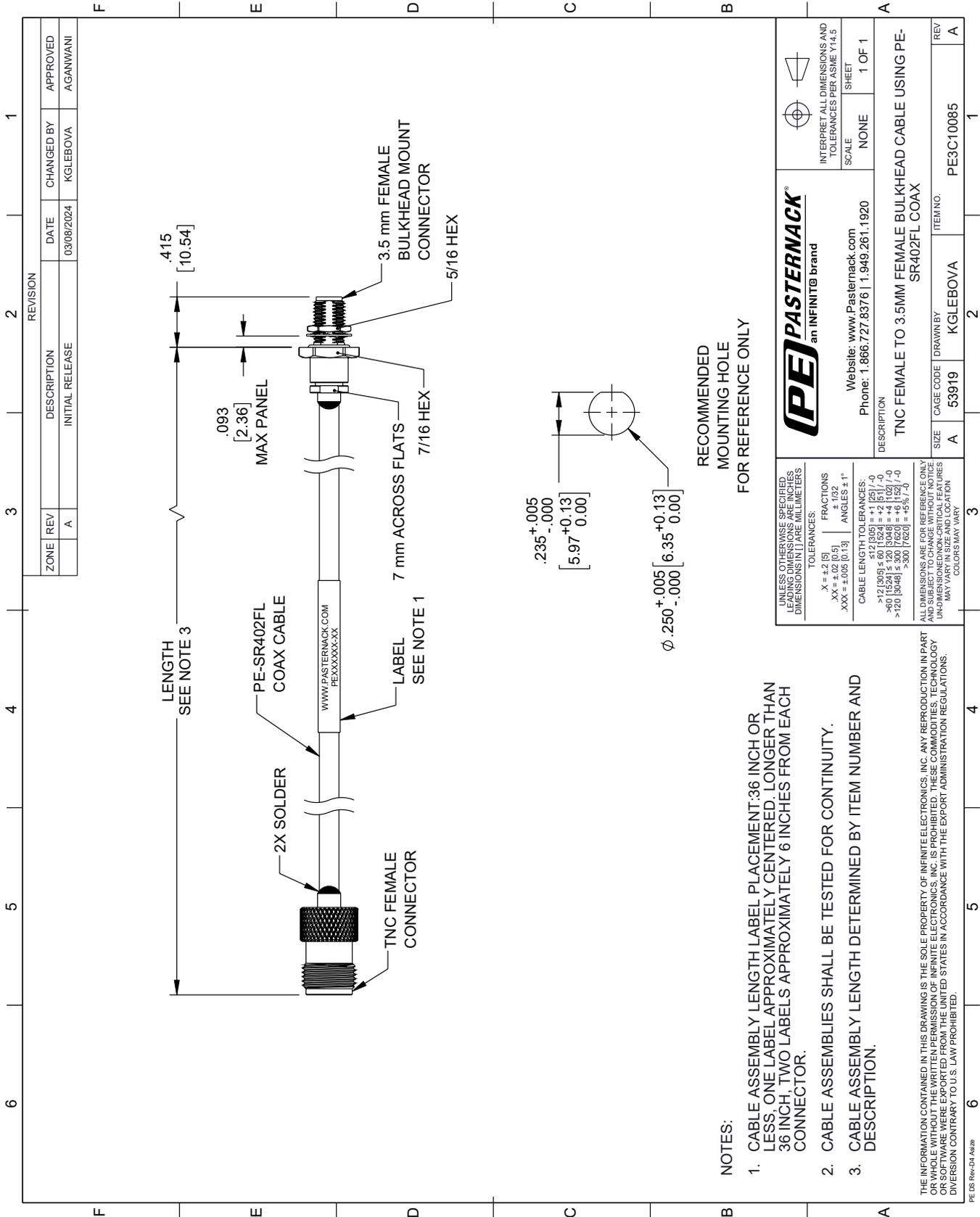
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Female Bulkhead to TNC Female Cable Using PE-SR402FL Coax PE3C10085](https://www.pasternack.com/3.5mm-female-bulkhead-to-tnc-female-cable-using-pe-sr402fl-pe3c10085-p.aspx)

URL: <https://www.pasternack.com/3.5mm-female-bulkhead-to-tnc-female-cable-using-pe-sr402fl-pe3c10085-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.

PE3C10085 CAD Drawing

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



RECOMMENDED
MOUNTING HOLE
FOR REFERENCE ONLY

NOTES:

1. 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.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM NUMBER AND DESCRIPTION.

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN [] ARE MILLIMETERS.		 PASTERNAK an INFINIT@ brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
TOLERANCES: .X = +.2 [5] .XX = +.02 [0.5] ±.132 .XXX = ±.005 [0.13]		ANGLES ± 1° WEBSITE: www.Pasternack.com PHONE: 1.866.727.8376 1.949.261.1920		
CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = +.1 [25] / -0 >60 [1524] ≤ 120 [3048] = +.4 [102] / -0 >120 [3048] ≤ 300 [7620] = +.6 [15] / -0		ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN [] ARE MILLIMETERS. COLORS MAY VARY.		
DESCRIPTION: TNC FEMALE TO 3.5MM FEMALE BULKHEAD CABLE USING PE-SR402FL COAX		SIZE: A CAGE CODE: 53919 DRAWN BY: KGLEBOVA	ITEM NO.: PE3C10085	REV: A

REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	03/08/2024	KGLEBOVA	AGANWANI