



Reverse Polarity TNC Female Bulkhead to Reverse Polarity
TNC Male Cable 50 cm Length Using PE-SR402FLJ Coax

RF Cable Assemblies Technical Data Sheet

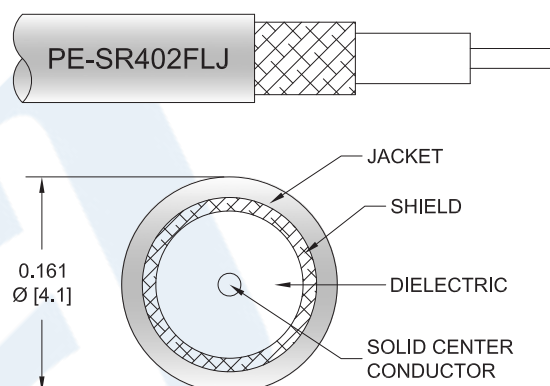
PE3W05610-50CM

Configuration

- Connector 1: TNC Female Reverse Polarity Bulkhead
- Connector 2: TNC Male Reverse Polarity
- Cable Type: PE-SR402FLJ

Features

- Max Frequency 1 GHz
- Shielding Effectivity > 100 dB
- 70% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W05610-50CM reverse polarity TNC female bulkhead to reverse polarity TNC male 50 cm cable using PE-SR402FLJ 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 reverse polarity TNC to reverse polarity TNC cable assembly has a female to male gender configuration with 50 ohm formable PE-SR402FLJ coax. The PE3W05610-50CM reverse polarity TNC female to reverse polarity TNC male cable assembly operates to 1 GHz. Our RF cable assembly with TNC 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity TNC Female Bulkhead to Reverse Polarity TNC Male Cable 50 cm Length Using PE-SR402FLJ Coax PE3W05610-50CM](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.5:1	
Velocity of Propagation		70		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	500	1,000				MHz
Insertion Loss (Max.)	0.3	0.4				dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector Loss

Mechanical Specifications

Cable Assembly

Weight 0.16 lbs [72.57 g]

Cable

Cable Type PE-SR402FLJ
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Shield Layer 1 Tinned Copper Braid
Jacket Material FEP, Black
Jacket Diameter 0.161 in [4.09 mm]

One Time Minimum Bend Radius 0.315 in [8 mm]
Repeated Minimum Bend Radius 1.575 in [40.01 mm]

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Connectors

Description	Connector 1	Connector 2
Type	TNC Female Reverse Polarity Bulkhead	TNC Male Reverse Polarity
Impedance	50 Ohms	50 Ohms
Body Material and Plating	Brass, Nickel	Brass, Nickel

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

PE3W05610

- xx

uu

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

Example: PE3W05610-12 = 12 inches long cable
PE3W05610-100cm = 100 cm long cable

Reverse Polarity TNC Female Bulkhead to Reverse Polarity TNC Male Cable 50 cm Length Using PE-SR402FLJ 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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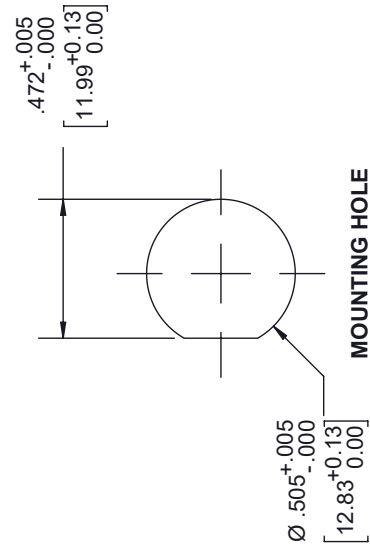
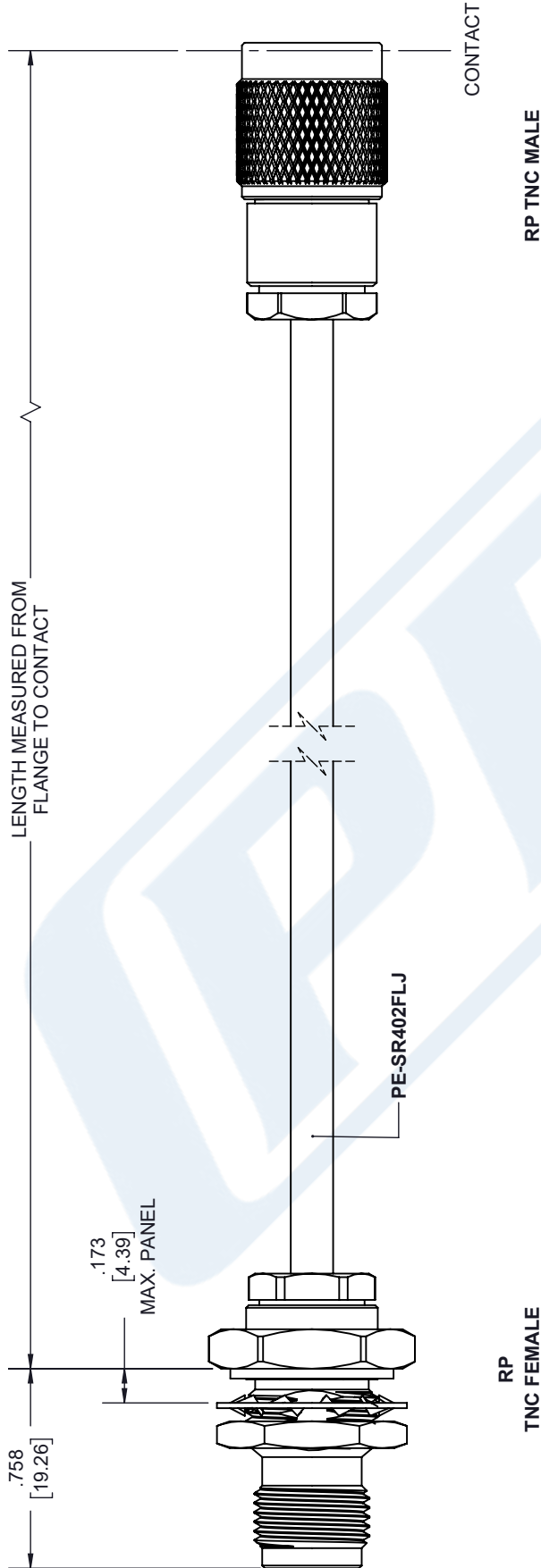
URL: <https://www.pasternack.com/tnc-female-tnc-male-pe-sr402flj-cable-assembly-pe3w05610-50cm-p.aspx>

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.

PE3W05610-50CM CAD Drawing

Reverse Polarity TNC Female Bulkhead to Reverse Polarity TNC
Male Cable 50 cm Length Using PE-SR402FLJ Coax

REVISIONS		
REV.	DESCRIPTION	DATE
B	PCR PE3W05610	3/14/2022
		A. GANWANI



PE PASTERNAK an INFINITE brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com		 THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: .X = ±.2 [5.08] .XX = ±.02 [.51] .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.	SIZE A CAGE CODE 53919 DRAWN BY K.DANG ITEM NO. PE3W05610 REV B	THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A

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