



SMA Male to TNC Male Right Angle Cable Using PE-SR402FLJ Coax

TECHNICAL DATA SHEET

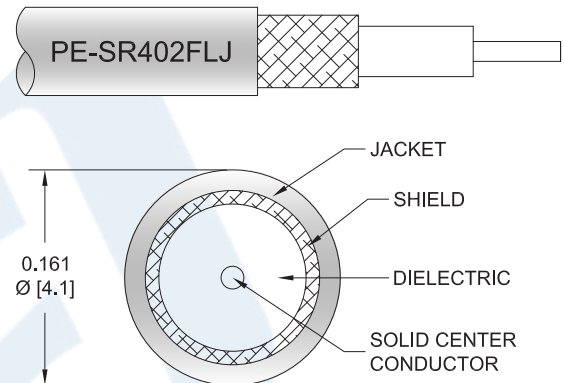
PE3C3034

Configuration

- Connector 1: SMA Male
- Connector 2: TNC Male Right Angle
- Cable Type: PE-SR402FLJ
- Coax Flex Type: Formable

Features

- Max Frequency 6 GHz
- Shielding Effectivity > 100 dB
- 70% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C3034 SMA male to TNC male right angle 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 SMA to TNC cable assembly has a male to male gender configuration with 50 ohm formable PE-SR402FLJ coax. The PE3C3034 SMA male to TNC male cable assembly operates to 6 GHz. The right angle TNC interface on the PE-SR402FLJ cable allows for easier connections in tight spaces.

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 TNC Male Right Angle Cable Using PE-SR402FLJ Coax PE3C3034](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
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

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	500	1000	2000	4000	6000	MHz	
PE3C3034	Custom Lengths Available	Insertion Loss (Typ.)	0.08	0.12	0.17	0.27	0.35	dB/ft	
			0.27	0.4	0.56	0.89	1.15	dB/m	
PE3C3034-6	6 inch	Insertion Loss (Typ.)	0.35	0.36	0.39	0.44	0.48	dB	0.068
PE3C3034-9	9 inch	Insertion Loss (Typ.)	0.37	0.39	0.43	0.51	0.57	dB	0.075
PE3C3034-12	12 inch	Insertion Loss (Typ.)	0.39	0.42	0.47	0.57	0.65	dB	0.082
PE3C3034-18	18 inch	Insertion Loss (Typ.)	0.43	0.48	0.56	0.71	0.83	dB	0.097
PE3C3034-24	24 inch	Insertion Loss (Typ.)	0.47	0.54	0.64	0.84	1	dB	0.112

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.2 dB
Base Weight:	0.082 pounds
Additional Weight per Inch:	0.00242 pounds

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Weight	0.082 lbs [37.19 g]
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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]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male Threaded	TNC Male Right Angle Threaded
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50µ in. minimum	
Dielectric Type	Teflon	PTFE
Body Material and Plating	Stainless Steel, Gold	Brass, Nickel
Body Plating Specification	10µ in. minimum	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100µ in. minimum	
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 Nm]	

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

Plotted and Other Data

Notes:

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TECHNICAL DATA SHEET

PE3C3034

How to Order

Part Number Configuration:

PE3C3034

- **xx**

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

Example: PE3C3034-12 = 12 inches long cable
PE3C3034-100cm = 100 cm long cable

SMA Male to TNC Male Right Angle Cable 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.

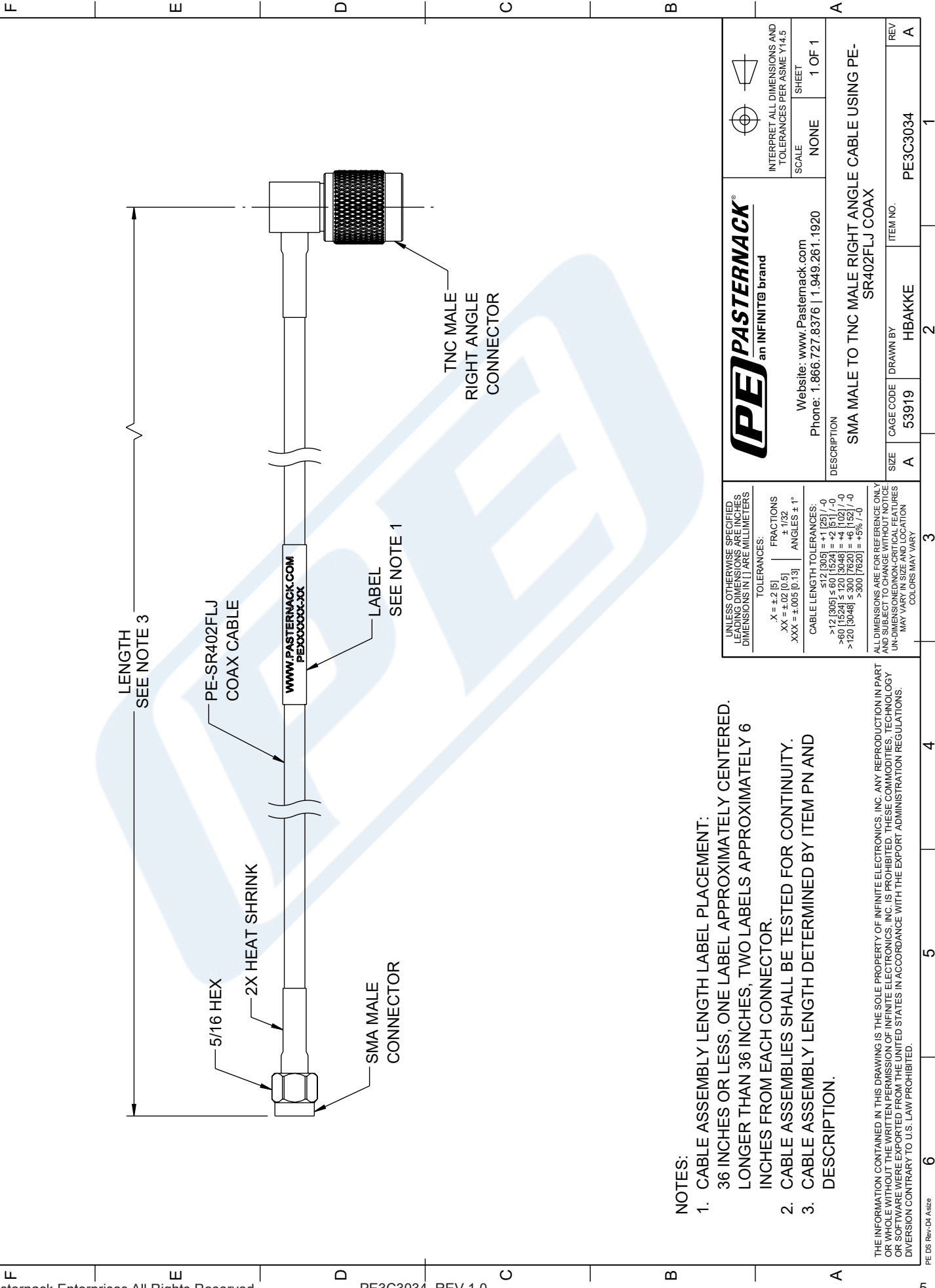
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URL: <https://www.pasternack.com/sma-male-tnc-male-pe-sr402flj-cable-assembly-pe3c3034-p.aspx>

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.

PE3C3034 CAD Drawing

SMA Male to TNC Male Right Angle Cable Using PE-SR402FLJ Coax



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.
 - 2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
 - 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
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Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE	SHEET
DESCRIPTION SMA MALE TO TNC MALE RIGHT ANGLE CABLE USING PE-SR402FLJ COAX		NONE	1 OF 1
SIZE A	CAGE CODE 53919	DRAWN BY HBAKKE	REV A
ITEM NO. PE3C3034		1	