

## TNC Male to SMA Male Cable Using RG174 Coax



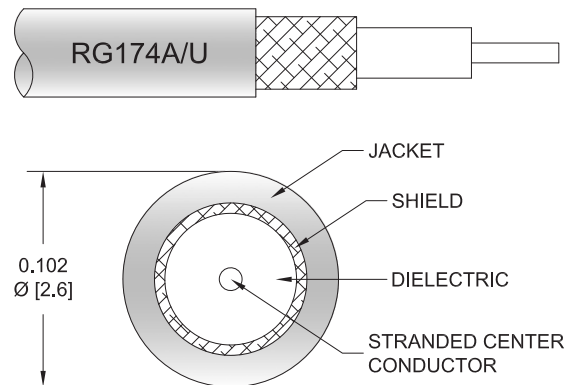
### PE3W15934

#### Configuration

- Connector 1: TNC Male
- Connector 2: SMA Male
- Cable Type: RG174
- Coax Flex Type: Flexible

#### Features

- 66% Phase Velocity
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W15934 TNC male to SMA male cable using RG174 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack TNC to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG174 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

#### Mechanical Specifications

##### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.062 lbs [28.12 g]

##### Cable

Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1

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Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	TNC Male	SMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating		Brass, Gold
Contact Plating Specification		30 µin minimum
Dielectric Type		PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size		5/16 inch
Torque		3 in-lbs 0.34 Nm

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

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### PE3W15934

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3W15934**

**- xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W15934-12 = 12 inches long cable  
PE3W15934-100cm = 100 cm long cable

TNC Male to SMA Male Cable Using RG174 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.

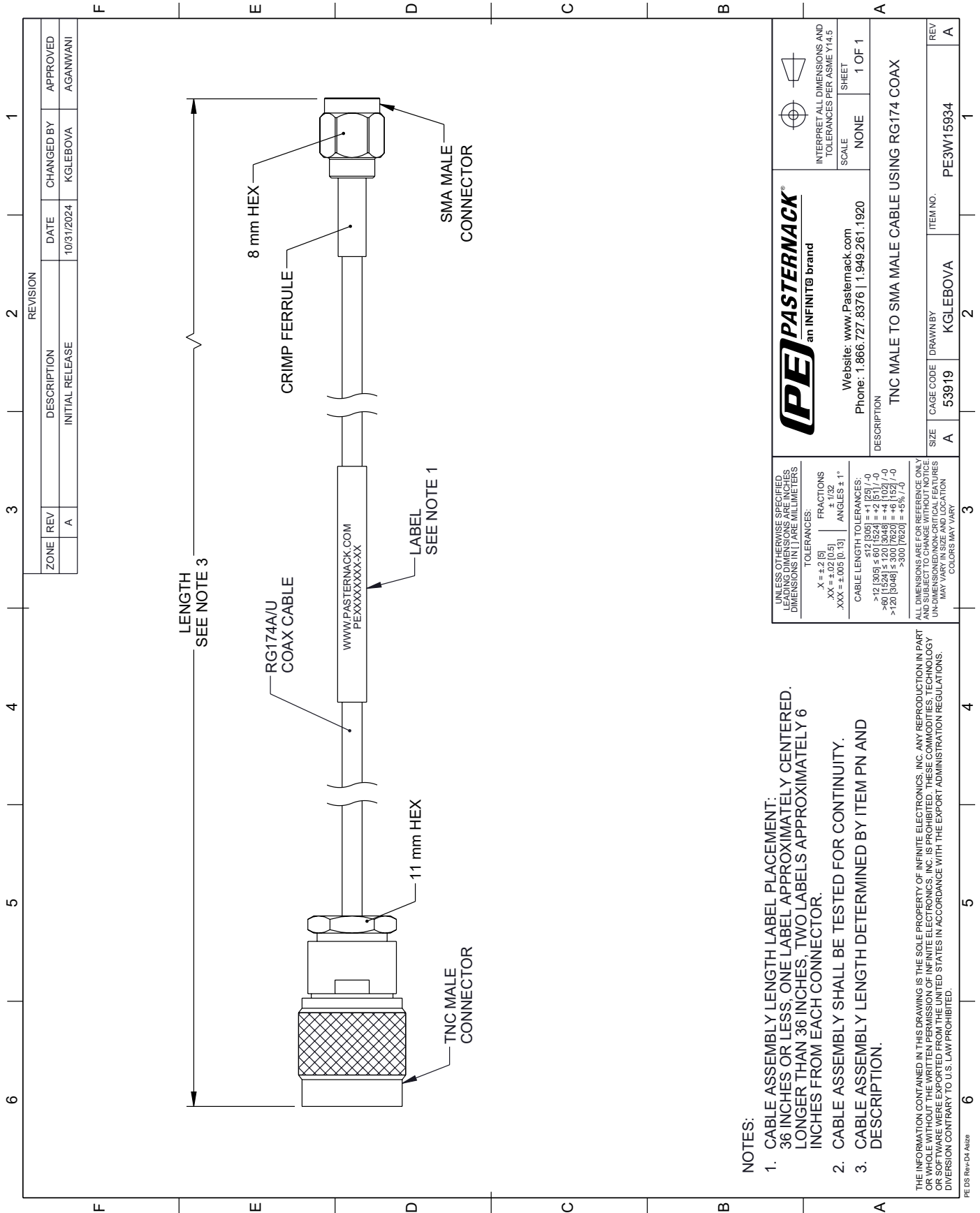
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to SMA Male Cable Using RG174 Coax PE3W15934](#)

URL: <https://www.pasternack.com/tnc-male-to-sma-male-cable-using-rg174-pe3w15934-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.

# PE3W15934 CAD Drawing

## TNC Male to SMA Male Cable Using RG174 Coax



REVISION		DATE	CHANGED BY	APPROVED		
ZONE	REV	DESCRIPTION	INITIAL RELEASE	10/31/2024	KGLEBOVA	AGANWANI
	A					

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS	SCALE	SHEET
<b>TOLERANCES:</b> .X = ±.2 [5]      FRACTIONS ± 1/32 .XX = ±.02 [0.5]      ANGLES ± 1° .XXX = ±.005 [0.13]	NONE	1 OF 1
<b>CABLE LENGTH TOLERANCES:</b> >12 [305] ≤ 60 [1524] = +1 [25] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +5 [127] / -0 >300 [7620] = +5 [127] / -0	Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 TNC MALE TO SMA MALE CABLE USING RG174 COAX

DESCRIPTION	SIZE	CAGE CODE	DRAWN BY	ITEM NO.
TNC MALE TO SMA MALE CABLE USING RG174 COAX	A	53919	KGLEBOVA	PE3W15934

REV	DESCRIPTION
A	INITIAL RELEASE

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF PARTS AND FEATURES SHALL BE TO THE DIMENSIONS OF THE UNLESS OTHERWISE SPECIFIED. DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS. COLORS MAY VARY.

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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 ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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