

## TNC Male to TNC Male Cable Using RG316 Coax with HeatShrink



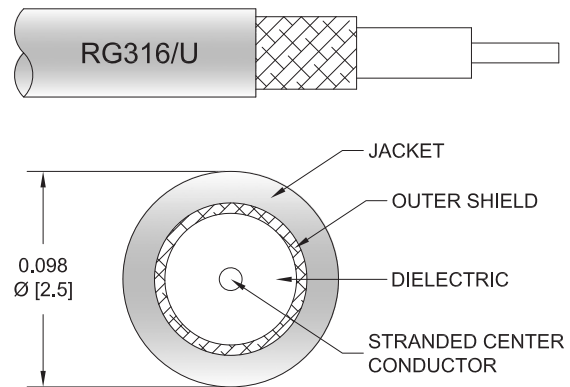
### PE3C1925/HS

#### Configuration

- Connector 1: TNC Male
- Connector 2: TNC Male
- Cable Type: RG316
- Coax Flex Type: Flexible

#### Features

- 69% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C1925/HS TNC male to TNC male cable using RG316 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 TNC cable assembly has a male to male gender configuration with 50 ohm flexible RG316 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 |         | 69           |         | %            |
| Capacitance             |         | 29.4 [96.46] |         | pF/ft [pF/m] |
| Operating Voltage (AC)  |         |              | 500     | Vrms         |
| Jacket Spark            |         |              | 2,000   | Vrms         |

#### Mechanical Specifications

##### Cable Assembly

Weight 0.096 lbs [43.54 g]

##### Cable

Cable Type RG316  
Impedance 50 Ohms  
Inner Conductor Type Stranded  
Inner Conductor Material and Plating Copper Clad Steel, Silver

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|                   |                            |
|-------------------|----------------------------|
| Dielectric Type   | PTFE                       |
| Number of Shields | 1                          |
| Shield Layer 1    | Silver Plated Copper Braid |
| Jacket Material   | FEP, Tan                   |
| Jacket Diameter   | 0.102 in [2.59 mm]         |

### Connectors

| Description                       | Connector 1            | Connector 2            |
|-----------------------------------|------------------------|------------------------|
| Type                              | TNC Male               | TNC Male               |
| Impedance                         | 50 Ohms                | 50 Ohms                |
| Configuration                     | Straight               | Straight               |
| Contact Material and Plating      | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Dielectric Type                   | Teflon                 | Teflon                 |
| Body Material and Plating         | Brass, Silver          | Brass, Silver          |
| Coupling Nut Material and Plating | Brass, Silver          | Brass, Silver          |

### Environmental Specifications

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

### Plotted and Other Data

Notes:

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### PE3C1925/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C1925/HS**

**- xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C1925/HS-12 = 12 inches long cable  
PE3C1925/HS-100cm = 100 cm long cable

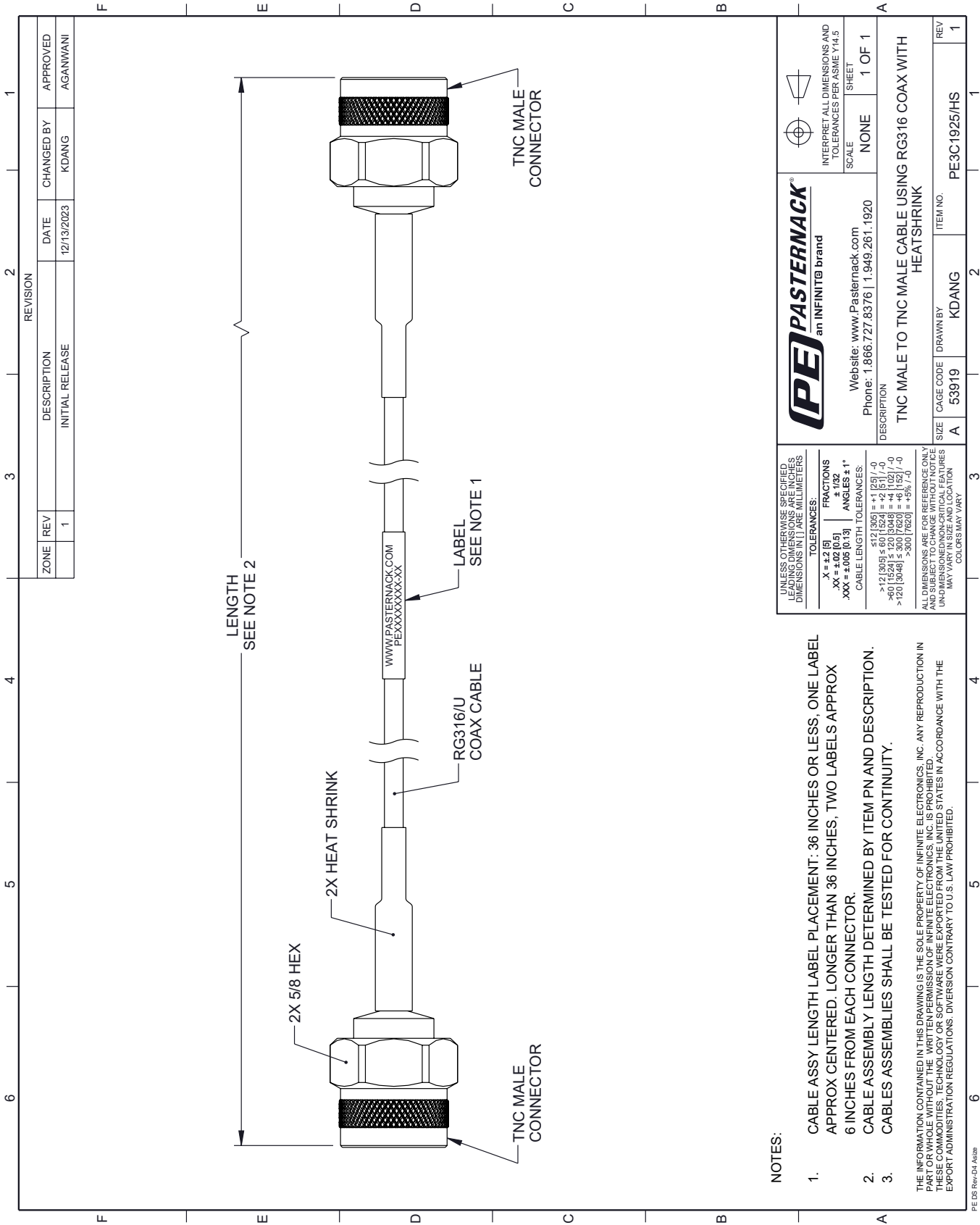
TNC Male to TNC Male Cable Using RG316 Coax with HeatShrink from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 TNC Male Cable Using RG316 Coax with HeatShrink PE3C1925/HS](#)

URL: <https://www.pasternack.com/tnc-male-to-tnc-male-cable-using-rg316-with-heatshrink-pe3c1925-hs-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.

PE3C1925/HS CAD Drawing
TNC Male to TNC Male Cable Using RG316 Coax with HeatShrink



|  |                   |              |                  |                  |             |                     |  |            |             |                        |             |                          |             |              |             |
|--|-------------------|--------------|------------------|------------------|-------------|---------------------|--|------------|-------------|------------------------|-------------|--------------------------|-------------|--------------|-------------|
| <p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, TRAILING DIMENSIONS ARE IN MILLIMETERS</p> <p>TOLERANCES:</p> <table><tr><td>.X = ±.2 [5]</td><td>FRACTIONS ± 1/32</td></tr><tr><td>.XX = ±.02 [0.5]</td><td>ANGLES ± 1°</td></tr><tr><td>.XXX = ±.005 [0.13]</td><td></td></tr></table> <p>CABLE LENGTH TOLERANCES:</p> <table><tr><td>≤ 12 [305]</td><td>±.12 [3.05]</td></tr><tr><td>&gt; 12 [305] ≤ 60 [1524]</td><td>±.25 [6.35]</td></tr><tr><td>&gt; 60 [1524] ≤ 120 [3048]</td><td>±.50 [12.7]</td></tr><tr><td>&gt; 120 [3048]</td><td>±.75 [19.0]</td></tr></table> <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS ARE NOT TO BE USED FOR UNDESIGNED NON-CRITICAL FEATURES. MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</p> |                   | .X = ±.2 [5] | FRACTIONS ± 1/32 | .XX = ±.02 [0.5] | ANGLES ± 1° | .XXX = ±.005 [0.13] |  | ≤ 12 [305] | ±.12 [3.05] | > 12 [305] ≤ 60 [1524] | ±.25 [6.35] | > 60 [1524] ≤ 120 [3048] | ±.50 [12.7] | > 120 [3048] | ±.75 [19.0] |
| .X = ±.2 [5]   | FRACTIONS ± 1/32  |              |                  |                  |             |                     |  |            |             |                        |             |                          |             |              |             |
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| ≤ 12 [305]   | ±.12 [3.05]       |              |                  |                  |             |                     |  |            |             |                        |             |                          |             |              |             |
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| > 120 [3048]   | ±.75 [19.0]       |              |                  |                  |             |                     |  |            |             |                        |             |                          |             |              |             |
| <p>PE PASTERNAK an INFINITE brand</p> <p>Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a></p> <p>Phone: 1.866.727.8376   1.949.261.1920</p> <p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE NONE</p> <p>SHEET 1 OF 1</p>   |                   |              |                  |                  |             |                     |  |            |             |                        |             |                          |             |              |             |
| <p>DESCRIPTION</p> <p>TNC MALE TO TNC MALE CABLE USING RG316 COAX WITH HEATSHRINK</p>  |                   |              |                  |                  |             |                     |  |            |             |                        |             |                          |             |              |             |
| SIZE A   | ITEM NO. 1        |              |                  |                  |             |                     |  |            |             |                        |             |                          |             |              |             |
| CAGE CODE 53919  | DRAWN BY KDANG    |              |                  |                  |             |                     |  |            |             |                        |             |                          |             |              |             |
| REV 1  | APPROVED AGANWANI |              |                  |                  |             |                     |  |            |             |                        |             |                          |             |              |             |

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

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