

## N Female to TNC Male Cable Using RG223 Coax with HeatShrink, LF Solder

### PE3W13241LF/HS

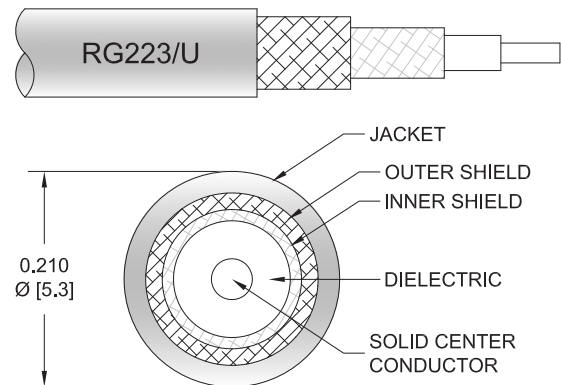


#### Configuration

- Connector 1: N Female
- Connector 2: TNC Male
- Cable Type: RG223
- Coax Flex Type: Flexible

#### Features

- 66% Phase Velocity
- Double Shielded
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W13241LF/HS type N female to TNC male cable using RG223 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 type N to TNC cable assembly has a female to male gender configuration with 50 ohm flexible RG223 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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             |         | 30.8 [101.05] |         | pF/ft [pF/m] |

#### Mechanical Specifications

##### Cable Assembly

|                |                     |
|----------------|---------------------|
| Width/Diameter | 0.5 in [12.7 mm]    |
| Weight         | 0.143 lbs [64.86 g] |

##### Cable

|                                      |                |
|--------------------------------------|----------------|
| Cable Type                           | RG223          |
| Impedance                            | 50 Ohms        |
| Inner Conductor Type                 | Solid          |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type                      | PE             |

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|                              |                            |
|------------------------------|----------------------------|
| Number of Shields            | 2                          |
| Shield Layer 1               | Silver Plated Copper Braid |
| Shield Layer 2               | Silver Plated Copper Braid |
| Jacket Material              | PVC, Black                 |
| Jacket Diameter              | 0.209 in [5.31 mm]         |
| Repeated Minimum Bend Radius | 1 in [25.4 mm]             |

#### Connectors

| Description                        | Connector 1           | Connector 2     |
|------------------------------------|-----------------------|-----------------|
| Type                               | N Female              | TNC Male        |
| Specification                      |                       | MIL-STD-348A    |
| Impedance                          | 50 Ohms               | 50 Ohms         |
| Configuration                      | Straight              | Straight        |
| Contact Material and Plating       | Phosphor Bronze, Gold | Brass, Gold     |
| Contact Plating Specification      |                       | 30 µin minimum  |
| Dielectric Type                    | Teflon                | PTFE            |
| Body Material and Plating          | Brass, Nexcote        | Brass, Nickel   |
| Body Plating Specification         |                       | 100 µin minimum |
| Coupling Nut Material and Plating  |                       | Brass, Nickel   |
| Coupling Nut Plating Specification |                       | 100 µin minimum |

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

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### PE3W13241LF/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3W13241LF/HS - xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length  
Base Number

Example: PE3W13241LF/HS-12 = 12 inches long cable  
PE3W13241LF/HS-100cm = 100 cm long cable

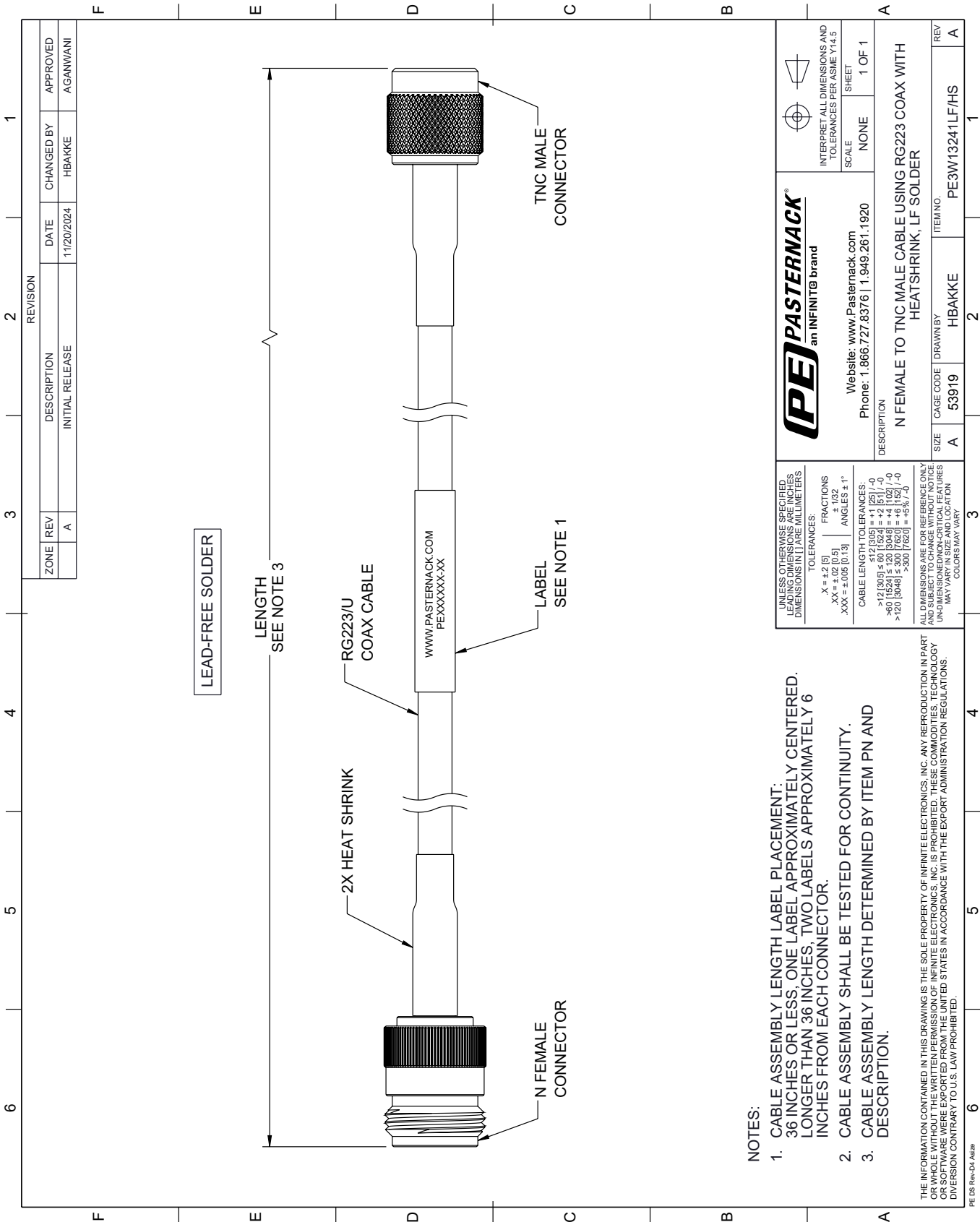
N Female to TNC Male Cable Using RG223 Coax with HeatShrink, LF Solder from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female to TNC Male Cable Using RG223 Coax with HeatShrink, LF Solder PE3W13241LF/HS](#)

URL: <https://www.pasternack.com/n-female-to-tnc-male-cable-using-rg223-with-heatshrink-lf-solder-pe3w13241lf-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.

PE3W13241LF/HS CAD Drawing
N Female to TNC Male Cable Using RG223 Coax with HeatShrink, LF Solder



- 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 ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
  - 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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|  |  |   |  |
|--|--|---|--|
| UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.   |  |   |  |
| TOLERANCES:<br>X = ±.2 [5]<br>XX = ±.02 [0.5]<br>XXX = ±.005 [0.13]  |  | FRACTIONS<br>1/32<br>1/64<br>ANGLES ± 1°  |  |
| CABLE LENGTH TOLERANCES:<br>≤12 [305] = +.1 [2.5] / -0<br>>12 [305] ≤ 60 [1524] = +.4 [102] / -0<br>>60 [1524] ≤ 120 [3048] = +.1 [2.5] / -0<br>>120 [3048] ≤ 300 [7620] = +.5% / -0   |  | DESCRIPTION<br>N FEMALE TO TNC MALE CABLE USING RG223 COAX WITH HEATSHRINK, LF SOLDER   |  |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.  |  | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  |  |
| <div><div></div><div><div>PASTERNAK®</div><div>an INFINITE® brand</div></div></div> <div>Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a><br/>Phone: 1.866.727.8376   1.949.261.1920</div> |  |   |  |
| SCALE  |  | SHEET<br>NONE<br>1 OF 1   |  |
| SIZE<br>A  |  | ITEM NO.<br>PE3W13241LF/HS  |  |
| CAGE CODE<br>53919   |  | DRAWN BY<br>HBAKKE  |  |
| REV<br>A   |  |   |  |