

N Male to TNC Male Cable 200 cm Length Using RG401 Coax

RF Cable Assemblies Technical Data Sheet

PE3W05651-200CM

Configuration

- Connector 1: N Male
- Connector 2: TNC Male
- Cable Type: RG401

Features

- Max Frequency 1 GHz
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W05651-200CM type N male to TNC male 200 cm cable using RG401 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack type N to TNC cable assembly has a male to male gender configuration with 50 ohm semi-rigid RG401 coax. The PE3W05651-200CM type N male to TNC male cable assembly operates to 1 GHz.

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 |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range | DC | | 1,000 | MHz |
| VSWR | | | 1.5:1 | |
| Velocity of Propagation | | 69.5 | | % |
| Capacitance | | 29.6 [97.11] | | pF/ft [pF/m] |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|----|----|----|----|-------|
| Frequency | 1,000 | | | | | MHz |
| Insertion Loss (Max.) | 0.7 | | | | | dB |

Electrical Specification Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to TNC Male Cable 200 cm Length Using RG401 Coax PE3W05651-200CM](#)



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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

| | |
|----------|--------------------|
| Length* | 78.74 in [200 cm] |
| Diameter | 0.75 in [19.05 mm] |

Cable

| | |
|--------------------------------------|----------------|
| Cable Type | RG401 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Outer Conductor Material and Plating | Copper |

| | |
|------------------------------|------------------|
| Repeated Minimum Bend Radius | 0.5 in [12.7 mm] |
|------------------------------|------------------|

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|---------------|---------------|
| Type | N Male | TNC Male |
| Specification | | MIL-STD-348 |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Gold |
| Contact Plating Specification | | MIL-G-45204 |
| Dielectric Type | Teflon | PTFE |
| Body Material and Plating | Brass, Nickel | Brass, Gold |
| Body Plating Specification | | MIL-G-45204 |
| Coupling Nut Material and Plating | | Brass, Nickel |
| Coupling Nut Plating Specification | | QQ-N-290 |

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to TNC Male Cable 200 cm Length Using RG401 Coax PE3W05651-200CM](#)



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How to Order

Part Number Configuration:

PE3W05651

- **xx**

uu

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

Example: PE3W05651-12 = 12 inches long cable
PE3W05651-100cm = 100 cm long cable

N Male to TNC Male Cable 200 cm Length Using RG401 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.

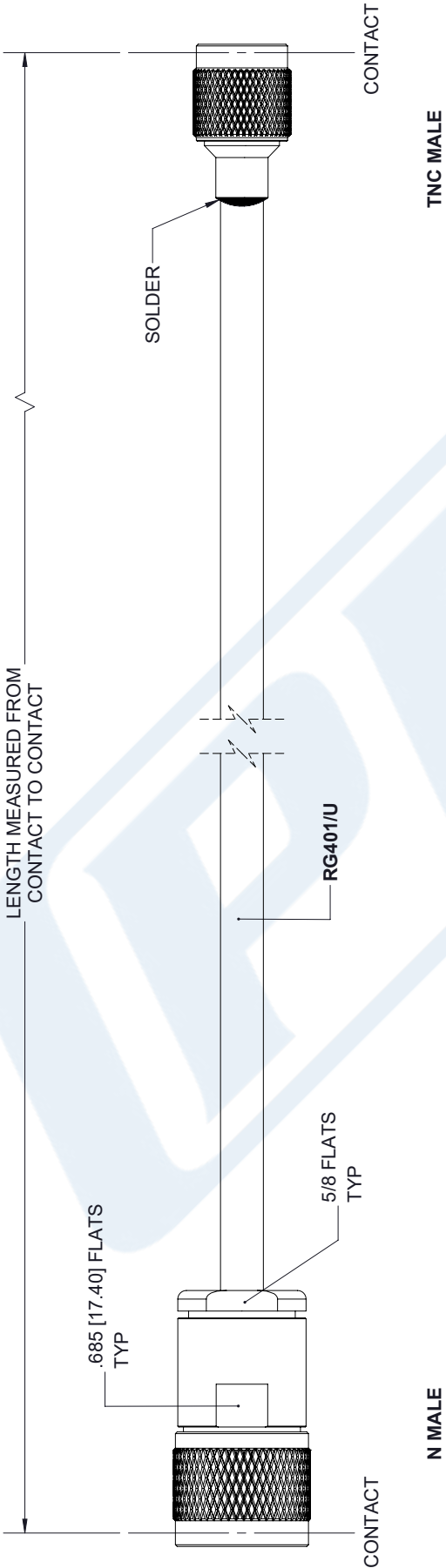
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to TNC Male Cable 200 cm Length Using RG401 Coax PE3W05651-200CM](#)

URL: <https://www.pasternack.com/n-male-tnc-male-rg401u-cable-assembly-pe3w05651-200cm-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.

PE3W05651-200CM CAD Drawing
N Male to TNC Male Cable 200 cm Length Using RG401 Coax

| REVISIONS | | | |
|-----------|-----------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 04/23/19 | SELLIS |



| | |
|---|-----------|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS | |
| TOLERANCES: | FRACTIONS |
| X±.2 [5.08] | ±.132 |
| .XX±.01 [.25] | ±.132 |
| .XXX±.005 [.13] | ±.132 |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | |
| THIRD-ANGLE PROJECTION | |

| | |
|---|-----------|
| PE PASTERNAK an INFINITI brand | |
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| SIZE | A |
| CAGE | 53919 |
| DRAWN BY | K.DANG |
| PART NUMBER | PE3W05651 |
| REV | A |

| | |
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| SHEET | 1 OF 1 |
| SCALE | N/A |

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