



## N Male to C Male Cable Using RG393 Coax

### RF Cable Assemblies Technical Data Sheet

**PE33044**

#### Configuration

- Connector 1: N Male
- Connector 2: C Male
- Cable Type: RG393
- Coax Flex Type: Flexible

#### Features

- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE33044 type N male to type C male cable using RG393 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 type C cable assembly has a male to male gender configuration with 50 ohm flexible RG393 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 |         | 69.5         |         | %            |
| Capacitance             |         | 29.4 [96.46] |         | pF/ft [pF/m] |

#### Mechanical Specifications

##### Cable Assembly

|        |                      |
|--------|----------------------|
| Weight | 0.299 lbs [135.62 g] |
|--------|----------------------|

##### Cable

|                                      |                |
|--------------------------------------|----------------|
| Cable Type                           | RG393          |
| Impedance                            | 50 Ohms        |
| Inner Conductor Type                 | Stranded       |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type                      | PTFE           |
| Number of Shields                    | 2              |

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 C Male Cable Using RG393 Coax PE33044](#)



## N Male to C Male Cable Using RG393 Coax

### RF Cable Assemblies Technical Data Sheet

**PE33044**

|                              |                            |
|------------------------------|----------------------------|
| Shield Layer 1               | Silver Plated Copper Braid |
| Shield Layer 2               | Silver Plated Copper Braid |
| Jacket Material              | FEP, Tan                   |
| Jacket Diameter              | 0.39 in [9.91 mm]          |
| Repeated Minimum Bend Radius | 3.9 in [99.06 mm]          |

#### Connectors

| Description                        | Connector 1          | Connector 2   |
|------------------------------------|----------------------|---------------|
| Type                               | N Male               | C Male        |
| Specification                      | MIL-STD-348A         | MIL-STD-348   |
| Impedance                          | 50 Ohms              | 50 Ohms       |
| Contact Material and Plating       | Brass, Gold          | Silver        |
| Contact Plating Specification      | 30 $\mu$ in minimum  | QQ-S-365      |
| Dielectric Type                    | PTFE                 | PTFE          |
| Body Material and Plating          | Brass, Nickel        | Brass, Nickel |
| Body Plating Specification         | 100 $\mu$ in minimum | QQ-N-290      |
| Coupling Nut Material and Plating  | Brass, Nickel        | Brass, Nickel |
| Coupling Nut Plating Specification | 100 $\mu$ in minimum | QQ-N-290      |

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

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

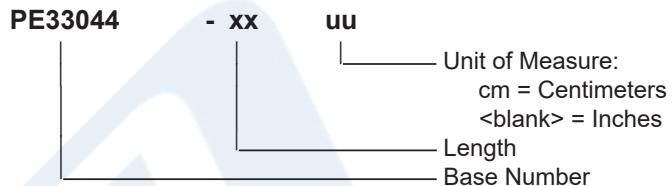
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to C Male Cable Using RG393 Coax PE33044](#)



## N Male to C Male Cable Using RG393 Coax

**RF Cable Assemblies Technical Data Sheet****PE33044****How to Order**

Part Number Configuration:



Example: PE33044-12 = 12 inches long cable  
PE33044-100cm = 100 cm long cable

N Male to C Male Cable Using RG393 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.

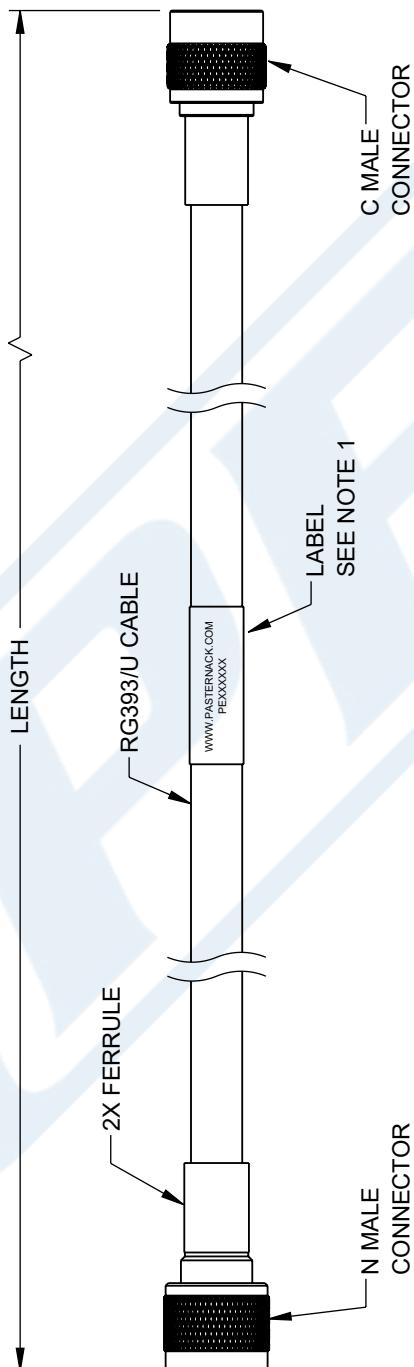
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to C Male Cable Using RG393 Coax PE33044](#)

URL: <https://www.pasternack.com/n-male-to-c-male-cable-using-rg393-pe33044-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.

## PE33044 CAD Drawing

| ZONE | REV. | DESCRIPTION     | DATE       | CHANGED BY | APPROVED BY |
|------|------|-----------------|------------|------------|-------------|
|      | A    | INITIAL RELEASE | 05/22/2023 | BPUCHASKI  | AGANWANI    |

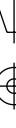


## NOTES:

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.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED.

NOTES: CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY CENTERED.

|   |            |
|---|------------|
| <p>UNLESS OTHERWISE SPECIFIED<br/>LEADING DIMENSIONS ARE INCHES<br/>DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p><b>PASTERNACK®</b><br/>an <b>INFINITI®</b> brand</p> <p></p> <p></p> |            |
| TOLERANCES:   | FRACTIONS: |
| $X = + .2$  | $[.5]$     |
| $XX = + .02$  | $[.5]$     |
| $XXX = + .005$  | $[.13]$    |
| CABLE LENGTH TOLERANCES:  |            |
| $\pm 1/32$  |            |
| $\pm .005$  |            |
| $\pm .001$  |            |
| $\pm 1^\circ$   |            |
| ANGLES:   |            |
| DESCRIPTION   |            |
| $\pm 11/325$ [11/325] -0  |            |
| INTERPRET ALL DIMENSIONS AND<br>TOLERANCES PER ASME Y14.5   |            |
| SCALE   | SHEET      |
| NONE  | 1 OF 1     |
| Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a>   |            |
| Phone: 1.866.727.8376   1.949.261.1920  |            |

SIZE      CAGE CODE      DRAWN BY      ITEM NO.      REV  
 A      53919      BPUCHASKI      PE33044      A

---

© 2020 Pasternack Enterprises All Rights Reserved

PE33044 REV 1.0