



## N Male to N Male Cable Using RG393 Coax, RoHS

### RF Cable Assemblies Technical Data Sheet

**PE3607LF**

#### Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG393

#### Features

- Max Frequency 10 GHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3607LF type N male to type N 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 N cable assembly has a male to male gender configuration with 50 ohm flexible RG393 coax. The PE3607LF type N male to type N male cable assembly operates to 10 GHz. 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.

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 N Male Cable Using RG393 Coax, RoHS PE3607LF](#)



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#### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 10      | GHz          |
| Velocity of Propagation |         | 69.5         |         | %            |
| Capacitance             |         | 29.4 [96.46] |         | pF/ft [pF/m] |
| Operating Voltage (AC)  |         |              | 1,000   | Vrms         |

#### Specifications by Frequency

| Description           | F1     | F2     | F3     | F4     | F5     | Units |
|-----------------------|--------|--------|--------|--------|--------|-------|
| Frequency             | 1      | 2.5    | 5      | 8      | 10     | GHz   |
| Insertion Loss (Max.) | 0.075  | 0.126  | 0.21   | 0.294  | 0.35   | dB/ft |
|                       | 0.25   | 0.41   | 0.69   | 0.96   | 1.15   | dB/m  |
| VSWR (Max.)           | 1.35:1 | 1.35:1 | 1.35:1 | 1.35:1 | 1.79:1 |       |
| Power Handling (Max.) | 1,000  | 290    |        |        |        | W     |

#### Mechanical Specifications

##### Cable Assembly

Weight 0.338 lbs [153.31 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  
 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]

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#### Connectors

| Description                        | Connector 1      | Connector 2      |
|------------------------------------|------------------|------------------|
| Type                               | N Male           | N Male           |
| Specification                      | MIL-STD-348A     | MIL-STD-348A     |
| Impedance                          | 50 Ohms          | 50 Ohms          |
| Contact Material and Plating       | Brass, Gold      | Brass, Gold      |
| Contact Plating Specification      | 30µ in. minimum  | 30µ in. minimum  |
| Dielectric Type                    | Teflon           | Teflon           |
| Body Material and Plating          | Brass, Nickel    | Brass, Nickel    |
| Body Plating Specification         | 100µ in. minimum | 100µ in. minimum |
| Coupling Nut Material and Plating  | Brass, Nickel    | Brass, Nickel    |
| Coupling Nut Plating Specification | 100µ in. minimum | 100µ in. minimum |

#### Environmental Specifications

##### Temperature

Operating Range -55 to +165 deg C

**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 N Male Cable Using RG393 Coax, RoHS PE3607LF](#)



## N Male to N Male Cable Using RG393 Coax, RoHS

### RF Cable Assemblies Technical Data Sheet

**PE3607LF**

#### How to Order

Part Number Configuration:

**PE3607LF**

- **xx**

**uu**

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

Example: PE3607LF-12 = 12 inches long cable  
PE3607LF-100cm = 100 cm long cable

N Male to N Male Cable Using RG393 Coax, RoHS 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.

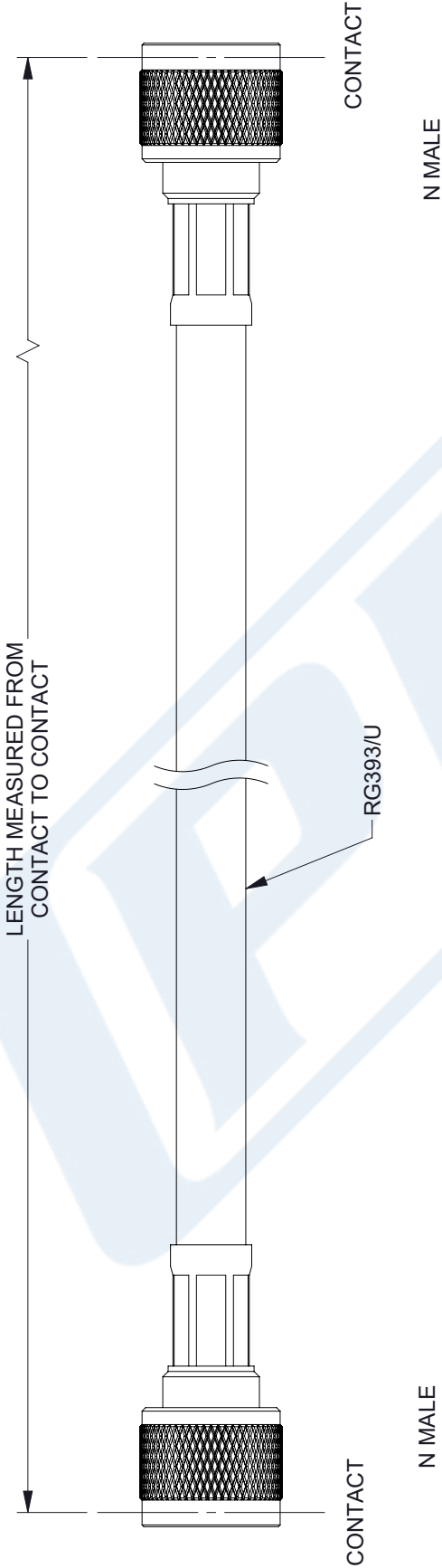
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Cable Using RG393 Coax, RoHS PE3607LF](#)

URL: <https://www.pasternack.com/n-male-n-male-rg393u-cable-assembly-pe3607lf-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.

PE3607LF CAD Drawing  
N Male to N Male Cable Using RG393 Coax, RoHS

| REVISIONS |                     |           |          |
|-----------|---------------------|-----------|----------|
| REV.      | DESCRIPTION         | DATE      | APPROVED |
| B         | PCR PE3607 20220622 | 6/27/2022 | RDELEON  |



UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

|               |       |             |
|---------------|-------|-------------|
| .X = ± .2     | [.08] | FRACTIONS   |
| .XX = ± .02   | [.51] | ± 1/32      |
| .XXX = ± .005 | [.13] | ANGLES ± 1° |

CABLE LENGTH (L) TOLERANCES:

|                             |            |      |
|-----------------------------|------------|------|
| L ≤ 12 [305]                | ± .1 [25]  | / -0 |
| 12 [305] < L ≤ 60 [1524]    | ± .2 [51]  | / -0 |
| 60 [1524] < L ≤ 120 [3048]  | ± .4 [102] | / -0 |
| 120 [3048] < L ≤ 300 [7620] | ± .6 [152] | / -0 |
| 300 [7620] < L              | ± .5% L    | / -0 |

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

**PE PASTERNAK**  
an INFINITE brand

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SHEET 1 OF 1

SCALE N/A

|        |                 |                 |                   |       |
|--------|-----------------|-----------------|-------------------|-------|
| SIZE A | CAGE CODE 53919 | DRAWN BY K.DANG | ITEM NO. PE3607LF | REV B |
|--------|-----------------|-----------------|-------------------|-------|

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