



UHF Male to N Male Cable Using RG393 Coax  
, LF Solder In 48 Inch Length

**RF Cable Assemblies Technical Data Sheet**

**PE33263LF-48**

**Configuration**

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

**Features**

- Max Frequency 300 MHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE33263LF-48 UHF male to type N male 48 inch 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 UHF to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG393 coax. The PE33263LF-48 UHF male to type N male cable assembly operates to 300 MHz. 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        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 300     | MHz          |
| VSWR                    |         |              | 1.4:1   |              |
| Velocity of Propagation |         | 69.5         |         | %            |
| Capacitance             |         | 29.4 [96.46] |         | pF/ft [pF/m] |

**Specifications by Frequency**

| Description           | F1   | F2   | F3   | F4 | F5 | Units |
|-----------------------|------|------|------|----|----|-------|
| Frequency             | 100  | 250  | 300  |    |    | MHz   |
| Insertion Loss (Typ.) | 0.15 | 0.22 | 0.25 |    |    | dB    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male to N Male Cable Using RG393 Coax , LF Solder In 48 Inch Length PE33263LF-48](#)



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#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1\*SQRT(FGHz) dB per connector.

#### Mechanical Specifications

##### Cable Assembly

|         |                      |
|---------|----------------------|
| Length* | 48 in [121.92 cm]    |
| Weight  | 0.742 lbs [336.57 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]          |

#### Connectors

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

#### Environmental Specifications

##### Temperature

|                 |                  |
|-----------------|------------------|
| Operating Range | -55 to +85 deg C |
|-----------------|------------------|

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## UHF Male to N Male Cable Using RG393 Coax , LF Solder In 48 Inch Length

### RF Cable Assemblies Technical Data Sheet

**PE33263LF-48**

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

#### Plotted and Other Data

Notes:

#### How to Order

Part Number Configuration:

**PE33263LF - xx uu**

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

Example: PE33263LF-12 = 12 inches long cable  
PE33263LF-100cm = 100 cm long cable

UHF Male to N Male Cable Using RG393 Coax , LF Solder In 48 Inch Length 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: [UHF Male to N Male Cable Using RG393 Coax , LF Solder In 48 Inch Length PE33263LF-48](#)

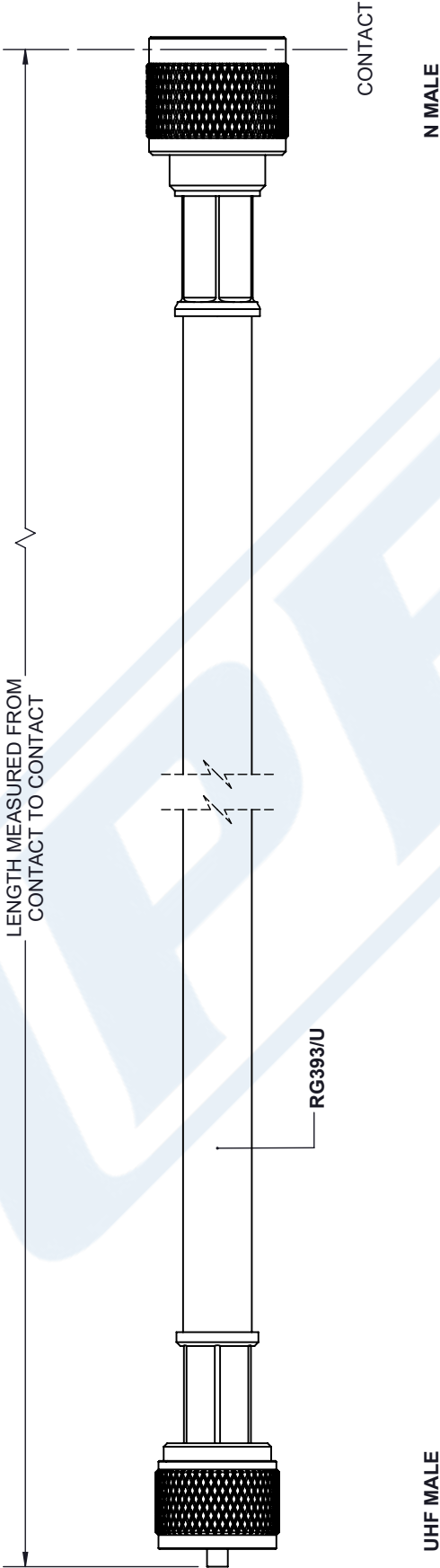
URL: <https://www.pasternack.com/uhf-male-to-n-male-cable-48-inch-length-using-rg393-lf-solder-pe33263lf-48-p.aspx>

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.

PE33263LF-48 CAD Drawing

UHF Male to N Male Cable Using RG393 Coax , LF Solder In 48 Inch Length

| REVISIONS |                 |           |            |
|-----------|-----------------|-----------|------------|
| REV.      | DESCRIPTION     | DATE      | APPROVED   |
| A         | INITIAL RELEASE | 11/4/2021 | A. GANWANI |



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

TOLERANCES:

|               |          |                  |             |
|---------------|----------|------------------|-------------|
| X = ± .2      | [ .008 ] | FRACTIONS        | ± 1/32      |
| .XX = ± .02   | [ .51 ]  | ANGLES           | ± 1°        |
| .XXX = ± .005 | [ .13 ]  | 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% / -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 | CAGE CODE | DRAWN BY | ITEM NO.  |
| A    | 53919     | K.DANG   | PE33263LF |
| REV  | A         |          |           |

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