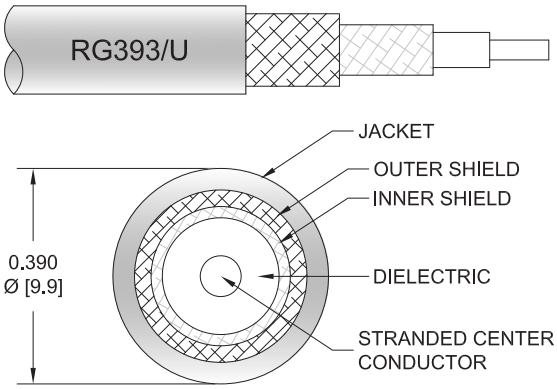
# N Male to TNC Male Right Angle Cable Using RG393 Coax, LF Solder

## PE37412LF

### Configuration

- Connector 1:  N Male
- Connector 2:  TNC Male Right Angle
- Cable Type: RG393
- Coax Flex Type: Flexible




### Features

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

### Applications

- General Purpose
- Laboratory Use

### Description

Pasternack's PE37412LF type N male to TNC male right angle 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 TNC cable assembly has a male to male gender configuration with 50 ohm flexible RG393 coax. The PE37412LF type N male to TNC male cable assembly operates to 10 GHz. The right angle TNC interface on the RG393 cable allows for easier connections in tight spaces. 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 | | 10 | GHz |
| VSWR | | | 1.4:1 | |
| Velocity of Propagation | | 69.5 | | % |
| Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

### Specifications by Frequency



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| Part Number | Length | Description | F1 | F2 | F3 | F4 | F5 | Units | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|
| | | Frequency | 500 | 1000 | 2500 | 5000 | 10000 | MHz | |
| PE37412LF | Custom Lengths Available | Insertion Loss (Typ.) | 0.05 | 0.08 | 0.13 | 0.21 | 0.35 | dB/ft | |
| | | | 0.15 | 0.25 | 0.42 | 0.69 | 1.15 | dB/m | |
| PE37412LF-12 | 12 inch | Insertion Loss (Typ.) | 0.35 | 0.38 | 0.43 | 0.51 | 0.65 | dB | 0.387 |
| PE37412LF-24 | 24 inch | Insertion Loss (Typ.) | 0.39 | 0.45 | 0.55 | 0.72 | 1 | dB | 0.545 |
| PE37412LF-36 | 36 inch | Insertion Loss (Typ.) | 0.44 | 0.53 | 0.68 | 0.93 | 1.35 | dB | 0.703 |
| PE37412LF-60 | 60 inch | Insertion Loss (Typ.) | 0.53 | 0.68 | 0.93 | 1.35 | 2.05 | dB | 1.018 |
| PE37412LF-72 | 72 inch | Insertion Loss (Typ.) | 0.57 | 0.75 | 1.05 | 1.56 | 2.4 | dB | 1.175 |

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

| | | |
|---|---|---|
| Loss due to Connector 1: | 0.1 | dB |
| Loss due to Connector 2: | 0.2 | dB |
| Base Weight: | 0.387 | pounds |
| Additional Weight per Inch: | 0.01313 | pounds |

## Mechanical Specifications

### Cable Assembly

| | |
|---|---|
| Width/Diameter | 0.5 in [12.7 mm] |
| Weight | 0.387 lbs [175.54 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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## PE37412LF

### Connectors

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Type | N Male | TNC Male Right Angle |
| Specification | MIL-STD-348A | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Right Angle |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Contact Plating Specification | 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

| | |
|---|---|
| Operating Range Temperature | -55 to +165 deg C |

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

### Plotted and Other Data

Notes:



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# N Male to TNC Male Right Angle Cable Using RG393 Coax, LF Solder

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### Typical Performance Data

### How to Order

Part Number Configuration: **PE37412LF - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE37412LF — Base Number

Example: PE37412LF-12 = 12 inches long cable
PE37412LF-100cm = 100 cm long cable

N Male to TNC Male Right Angle Cable Using RG393 Coax, 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 Male to TNC Male Right Angle Cable Using RG393 Coax, LF Solder PE37412LF

URL: https://www.pasternack.com/n-male-to-tnc-male-cable-using-rg393-lf-solder-pe37412lf-p.aspx

# PE37412LF CAD Drawing

N Male to TNC Male Right Angle Cable Using RG393 Coax, LF Solder