



N Male to N Female Cable 48 Inch Length Using RG225 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE33728LF-48

Configuration

- Connector 1: N Male
- Connector 2: N Female
- Cable Type: RG225

Features

- Max Frequency 400 MHz
- Double Shielded
- PTFE (FG) Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33728LF-48 type N male to type N female 48 inch cable using RG225 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 female gender configuration with 50 ohm flexible RG225 coax. The PE33728LF-48 type N male to type N female cable assembly operates to 400 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 | | 400 | MHz |
| Capacitance | | 32.4 [106.3] | | pF/ft [pF/m] |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|------|-------|-----|-------|-------|
| Frequency | 50 | 100 | 250 | 500 | 1,000 | MHz |
| Insertion Loss (Typ.) | 0.225 | 0.25 | 0.325 | | | dB |

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 Female Cable 48 Inch Length Using RG225 Coax , LF Solder PE33728LF-48](#)



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Mechanical Specifications

Cable Assembly

| | |
|----------|----------------------|
| Length* | 48 in [121.92 cm] |
| Diameter | 0.79 in [20.07 mm] |
| Weight | 0.924 lbs [419.12 g] |

Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | RG225 |
| 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 | PTFE (FG), Tan |
| Jacket Diameter | 0.43 in [10.92 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|------------------|-----------------------|
| Type | N Male | N Female |
| Specification | MIL-STD-348A | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Phosphor Bronze, 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 | |
| Coupling Nut Plating Specification | 100μ in. minimum | |

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:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE33728LF - xx uu

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

Example: PE33728LF-12 = 12 inches long cable
PE33728LF-100cm = 100 cm long cable

N Male to N Female Cable 48 Inch Length Using RG225 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.

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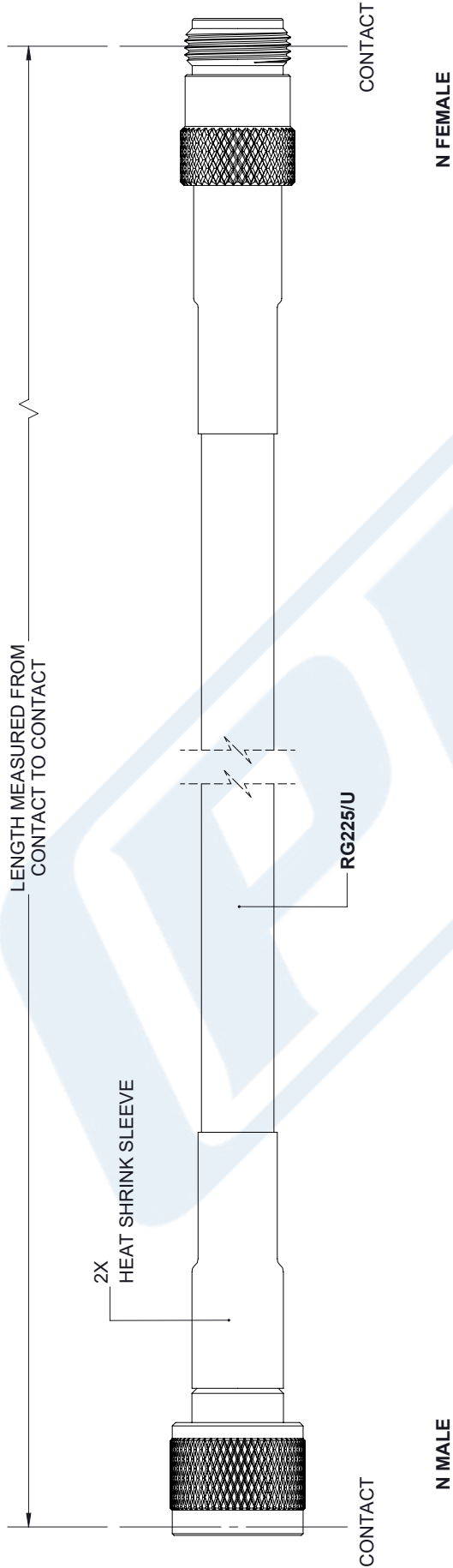
URL: <https://www.pasternack.com/n-male-n-female-rg225u-cable-assembly-pe33728lf-48-p.aspx>

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.

PE33728LF-48 CAD Drawing

N Male to N Female Cable 48 Inch Length Using RG225 Coax , LF Solder

| REVISIONS | | | |
|-----------|-----------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 07/23/19 | S.ELLIS |



| | | | | | | | | | | | | |
|--|---------------------------------------|---------------|-----------|---------|-------|-------|-----------|-------|-------------|---|--|---|
| <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="0"> <tr> <td>X±.2</td> <td>[5.08]</td> <td>FRACTIONS</td> </tr> <tr> <td>.XX±.01</td> <td>[.25]</td> <td>±.132</td> </tr> <tr> <td>.XXX±.005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>THIRD-ANGLE PROJECTION</p> | X±.2 | [5.08] | FRACTIONS | .XX±.01 | [.25] | ±.132 | .XXX±.005 | [.13] | ANGLES ± 1° | <p>PE PASTERNAK an INFINITO brand</p> <p>Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com</p> | | <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p> |
| | X±.2 | [5.08] | FRACTIONS | | | | | | | | | |
| .XX±.01 | [.25] | ±.132 | | | | | | | | | | |
| .XXX±.005 | [.13] | ANGLES ± 1° | | | | | | | | | | |
| <p>SIZE: A</p> <p>CAGE: 53919</p> <p>DRAWN BY: K.DANG</p> <p>PART NUMBER: PE33728LF</p> | <p>SHEET 1 OF 1</p> <p>SCALE: N/A</p> | <p>REV: A</p> | | | | | | | | | | |

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