



N Male to N Male Cable 84 Inch Length Using RG214 Coax

RF Cable Assemblies Technical Data Sheet

PE3062-84

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG214

Features

- Max Frequency 11 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3062-84 type N male to type N male 84 inch cable using RG214 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 RG214 coax. The PE3062-84 type N male to type N male cable assembly operates to 11 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 84 Inch Length Using RG214 Coax PE3062-84](#)



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Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range | DC | | 11 | GHz |
| VSWR | | | 1.5:1 | |
| Velocity of Propagation | | 66 | | % |
| Capacitance | | 30.8 [101.05] | | 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 (Typ.) | 0.74 | 1.08 | 1.65 | 2.31 | 2.76 | dB |
| VSWR (Max.) | 1.35:1 | 1.35:1 | 1.35:1 | 1.35:1 | 1.79:1 | |

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes as estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.998 lbs [452.69 g]

Cable

Cable Type RG214
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PE
 Number of Shields 2
 Shield Layer 1 Silver Plated Copper Braid
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material PVC, Black
 Jacket Diameter 0.425 in [10.8 mm]
 Repeated Minimum Bend Radius 1.6 in [40.64 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 | 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

-20 to +80 deg C

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:

PE3062

- **xx**

uu

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

Example: PE3062-12 = 12 inches long cable
PE3062-100cm = 100 cm long cable

N Male to N Male Cable 84 Inch Length Using RG214 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.

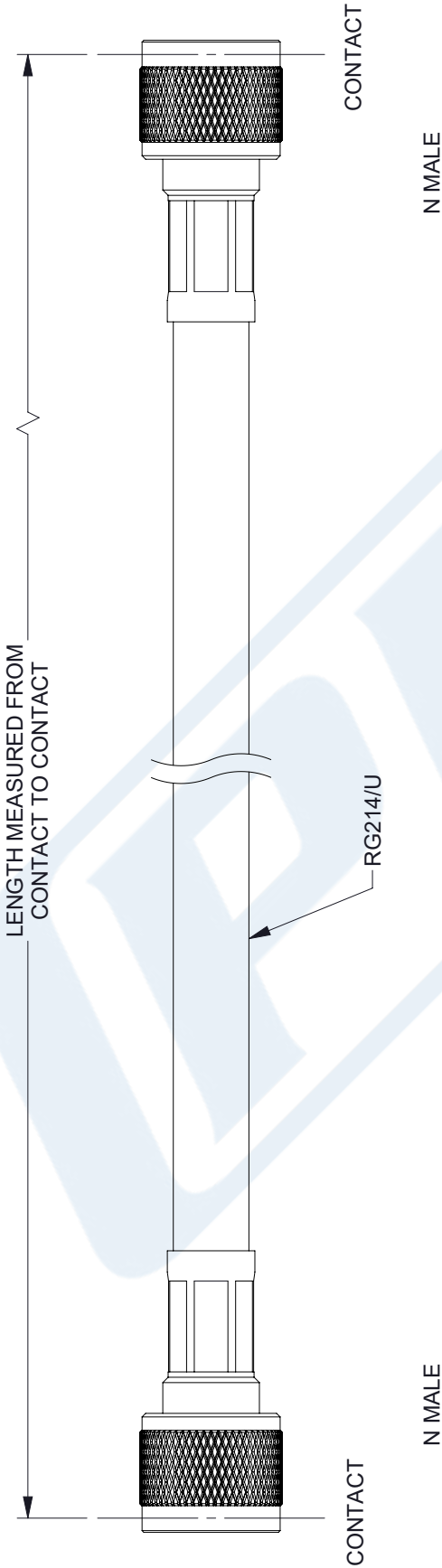
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Cable 84 Inch Length Using RG214 Coax PE3062-84](#)

URL: <https://www.pasternack.com/n-male-n-male-rg214u-cable-assembly-pe3062-84-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.

PE3062-84 CAD Drawing
N Male to N Male Cable 84 Inch Length Using RG214 Coax

| REVISIONS | | | |
|-----------|---------------------|-----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| B | PCR PE3062 20220622 | 6/27/2022 | RDELEON |



| | |
|--|---------------|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS | |
| TOLERANCES: | |
| .X = ± .2 | [5.08] |
| .XX = ± .02 | [.51] |
| .XXX = ± .005 | [.13] |
| ANGLES | ± 1° |
| CABLE LENGTH (L) TOLERANCES: | |
| L ≤ 12 [305] | ± .125 [3.18] |
| 12 [305] < L ≤ 60 [1524] | ± .25 [6.35] |
| 60 [1524] < L ≤ 120 [3048] | ± .5 [12.7] |
| 120 [3048] < L ≤ 300 [7620] | ± 1.0 [25.4] |
| 300 [7620] < L | ± 5% [127] |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | |

| | |
|---|----------|
| PE PASTERNAK an INFINITE brand | |
| Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com | |
| SIZE | ITEM NO. |
| A | 53919 |
| DRAWN BY | K.DANG |
| REV | PE3062 |
| B | |

| | |
|---|--------|
| THIRD-ANGLE PROJECTION | |
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| SHEET | 1 OF 1 |
| SCALE | N/A |

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