



## N Male to N Male Cable 60 Inch Length Using LMR-600 Coax

### RF Cable Assemblies Technical Data Sheet

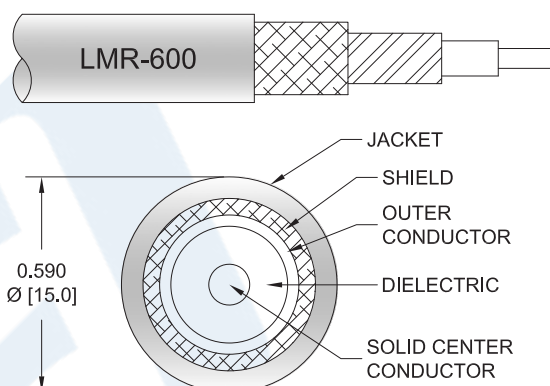
PE3C0048-60

#### Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: LMR-600

#### Features

- Shielding Effectivity > 90 dB
- 87% Phase Velocity
- Double Shielded
- PE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C0048-60 type N male to type N male 60 inch cable using LMR-600 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 LMR-600 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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           |
|-------------------------------|---------|--------------|---------|-----------------|
| Velocity of Propagation       |         | 87           |         | %               |
| RF Shielding                  | 90      |              |         | dB              |
| Group Delay                   |         | 1.17 [3.84]  |         | ns/ft [ns/m]    |
| Capacitance                   |         | 23.4 [76.77] |         | pF/ft [pF/m]    |
| Inductance                    |         | 0.058 [0.19] |         | uH/ft [uH/m]    |
| DC Resistance Inner Conductor |         | 0.53 [1.74]  |         | Ω/1000ft [Ω/Km] |
| DC Resistance Outer Conductor |         | 1.2 [3.94]   |         | Ω/1000ft [Ω/Km] |
| Jacket Spark                  |         |              | 8,000   | Vrms            |

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 60 Inch Length Using LMR-600 Coax PE3C0048-60](#)



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PE3C0048-60

#### Mechanical Specifications

##### Cable Assembly

|          |                    |
|----------|--------------------|
| Length*  | 60 in [152.4 cm]   |
| Diameter | 0.95 in [24.13 mm] |
| Weight   | 2.36 lbs [1.07 Kg] |

##### Cable

|                                      |                      |
|--------------------------------------|----------------------|
| Cable Type                           | LMR-600              |
| Impedance                            | 50 Ohms              |
| Inner Conductor Type                 | Solid                |
| Inner Conductor Material and Plating | Copper Clad Aluminum |
| Dielectric Type                      | PE (F)               |
| Number of Shields                    | 2                    |
| Shield Layer 1                       | Aluminum Tape        |
| Shield Layer 2                       | Tinned Copper Braid  |
| Jacket Material                      | PE, Black            |
| Jacket Diameter                      | 0.59 in [14.99 mm]   |

|                              |                        |
|------------------------------|------------------------|
| One Time Minimum Bend Radius | 1.5 in [38.1 mm]       |
| Repeated Minimum Bend Radius | 6 in [152.4 mm]        |
| Bending Moment               | 2.75 lbs-ft [3.73 N-m] |
| Flat Plate Crush             | 60 lbs/in [1.07 Kg/mm] |
| Tensile Strength             | 350 lbs [158.76 Kg]    |

#### Connectors

| Description                       | Connector 1        | Connector 2        |
|-----------------------------------|--------------------|--------------------|
| Type                              | N Male             | N Male             |
| Impedance                         | 50 Ohms            | 50 Ohms            |
| Contact Material and Plating      | Brass, Gold        | Brass, Gold        |
| Dielectric Type                   | Teflon             | Teflon             |
| Body Material and Plating         | Brass, Tri-Metal   | Brass, Tri-Metal   |
| Coupling Nut Material and Plating | Brass, Tri-Metal   | Brass, Tri-Metal   |
| Hex Size                          | 18 mm              | 18 mm              |
| Torque                            | 9 in-lbs [1.02 Nm] | 9 in-lbs [1.02 Nm] |

**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 60 Inch Length Using LMR-600 Coax PE3C0048-60](#)



## N Male to N Male Cable 60 Inch Length Using LMR-600 Coax

### RF Cable Assemblies Technical Data Sheet

PE3C0048-60

#### How to Order

Part Number Configuration:

**PE3C0048**

- **xx**

**uu**

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

Example: PE3C0048-12 = 12 inches long cable  
PE3C0048-100cm = 100 cm long cable

N Male to N Male Cable 60 Inch Length Using LMR-600 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.

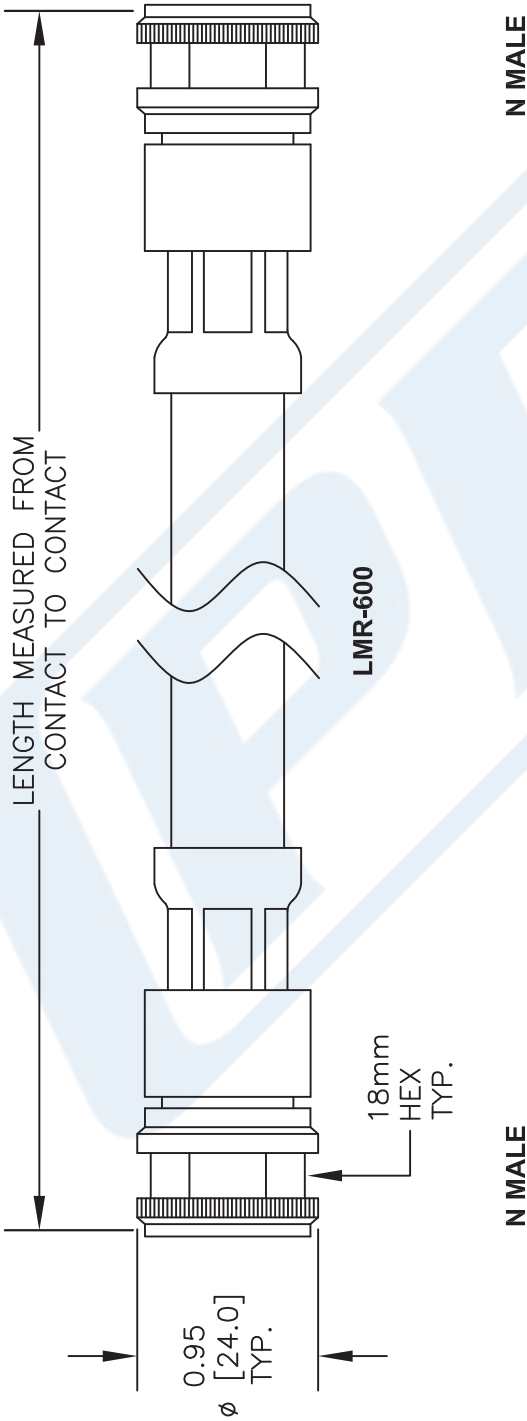
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Cable 60 Inch Length Using LMR-600 Coax PE3C0048-60](#)

URL: <https://www.pasternack.com/n-male-n-male-lmr600-cable-assembly-pe3c0048-60-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.

PE3C0048-60 CAD Drawing

N Male to N Male Cable 60 Inch Length Using LMR-600 Coax



| How To Order                                                   |  |                |             |                  |                       |
|----------------------------------------------------------------|--|----------------|-------------|------------------|-----------------------|
| Part Number Configuration                                      |  | Examples       | Part # Ext. | Length In Inches | Length In Centimeters |
| PE3 <div>zzz</div> <div>yy</div> - <div>xx</div> <div>uu</div> |  | PE3000LF-100   | -12         | 12"              | -25CM                 |
|                                                                |  | PE3000-100     | -24         | 24"              | -50CM                 |
|                                                                |  | PE3000LF-100CM | -36         | 36"              | -75CM                 |
|                                                                |  | PE3000-100CM   | -48         | 48"              | -100CM                |
|                                                                |  |                | -60         | 60"              | -125CM                |
| 00 - 99999                                                     |  |                | -xx         | Custom Length    | Custom Length         |
| LF = RoHS Compliant                                            |  |                |             |                  |                       |
| < Blank > = Standard                                           |  |                |             |                  |                       |
| Note: LF applies only to RF cables                             |  |                |             |                  |                       |
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- NOTES:
- 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
  - 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
  - 3. DIMENSIONS ARE IN INCHES [mm].
  - 4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE

PE3C0048

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FSCM NO. 53919

CAD FILE 013113

SCALE N/A

SIZE A

2233