



## TNC Male to BNC Male Cable 48 Inch Length Using PE-C200 Coax

### RF Cable Assemblies Technical Data Sheet

**PE36068-48**

#### Configuration

- Connector 1: TNC Male
- Connector 2: BNC Male
- Cable Type: PE-C200

#### Features

- Shielding Effectivity > 90 dB
- 83% Phase Velocity
- Double Shielded
- PE Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE36068-48 TNC male to BNC male 48 inch cable using PE-C200 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 TNC to BNC cable assembly has a male to male gender configuration with 50 ohm flexible PE-C200 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 |         | 83           |         | %            |
| RF Shielding            | 90      |              |         | dB           |
| Capacitance             |         | 24.5 [80.38] |         | pF/ft [pF/m] |
| Jacket Spark            |         |              | 3,000   | Vrms         |

#### Mechanical Specifications

##### Cable Assembly

Weight 0.136 lbs [61.69 g]

##### Cable

Cable Type PE-C200

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to BNC Male Cable 48 Inch Length Using PE-C200 Coax PE36068-48](#)



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|                                      |                     |
|--------------------------------------|---------------------|
| Impedance                            | 50 Ohms             |
| Inner Conductor Type                 | Solid               |
| Inner Conductor Material and Plating | Copper              |
| 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                      | 0.195 in [4.95 mm]  |

#### Connectors

| Description                   | Connector 1      | Connector 2   |
|-------------------------------|------------------|---------------|
| Type                          | TNC Male         | BNC Male      |
| Specification                 | MIL-STD-348A     |               |
| Impedance                     | 50 Ohms          | 50 Ohms       |
| Contact Material and Plating  | Brass, Gold      |               |
| Contact Plating Specification | 30μ in. minimum  |               |
| Dielectric Type               | Teflon           |               |
| Body Material and Plating     | Brass, Nickel    | Brass, Nickel |
| Body Plating Specification    | 100μ in. minimum |               |

**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: [TNC Male to BNC Male Cable 48 Inch Length Using PE-C200 Coax PE36068-48](#)



## TNC Male to BNC Male Cable 48 Inch Length Using PE-C200 Coax

### RF Cable Assemblies Technical Data Sheet

**PE36068-48**

#### How to Order

Part Number Configuration:

**PE36068**

**- xx**

**uu**

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

Example: PE36068-12 = 12 inches long cable  
PE36068-100cm = 100 cm long cable

TNC Male to BNC Male Cable 48 Inch Length Using PE-C200 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.

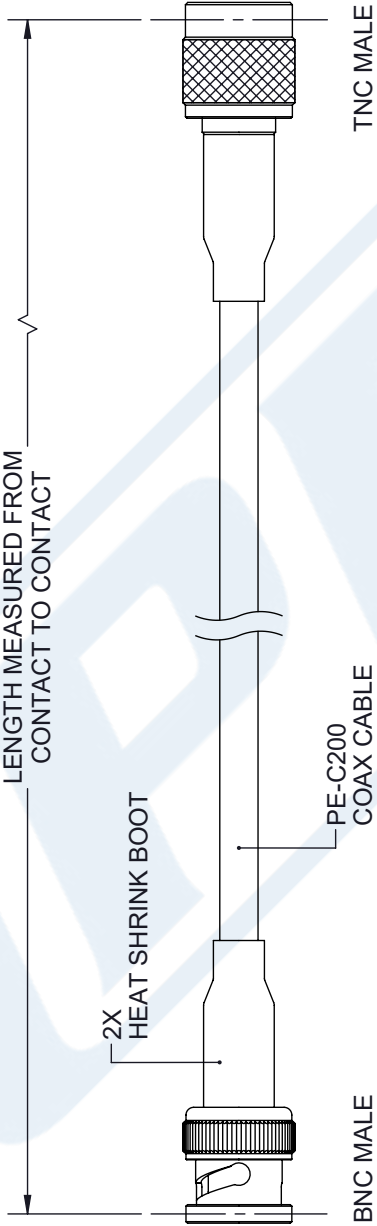
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to BNC Male Cable 48 Inch Length Using PE-C200 Coax PE36068-48](#)

URL: <https://www.pasternack.com/tnc-male-bnc-male-pe-c200-cable-assembly-pe36068-48-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.

PE36068-48 CAD Drawing  
TNC Male to BNC Male Cable 48 Inch Length Using PE-C200 Coax

| REVISIONS |             |         |          |
|-----------|-------------|---------|----------|
| REV.      | DESCRIPTION | DATE    | APPROVED |
| B         | PCR PE36068 | 3/29/22 | SRAUTUS  |



|                                                                                                   |  |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |  |           |  |                        |  |          |  |
|---------------------------------------------------------------------------------------------------|--|----------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|--|------------------------|--|----------|--|
| UNLESS OTHERWISE SPECIFIED,<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |  |          |  | <div>an INFINITI® brand</div> <p>Pasternack Enterprises, Inc.<br/>P.O.Box 16759, Irvine, CA 92623.<br/>Phone: 1.949.261.1920   1.866.727.8376<br/>Fax: 1.949.261.7451<br/>Website: <a href="http://www.pasternack.com">www.pasternack.com</a><br/>E-mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a></p> |  |           |  | THIRD-ANGLE PROJECTION |  |          |  |
| TOLERANCES:                                                                                       |  |          |  | THE INFORMATION AND<br>DESIGN IN THIS DOCUMENT<br>IS THE PROPERTY OF<br>PASTERNAK CORPORATION<br>ALL RIGHTS RESERVED.                                                                                                                                                                                                                                                                                           |  |           |  |                        |  |          |  |
| 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<br>ARE FOR REFERENCE ONLY.                                                   |  |          |  | SIZE                                                                                                                                                                                                                                                                                                                                                                                                            |  | CAGE CODE |  | DRAWN BY               |  | ITEM NO. |  |
|                                                                                                   |  |          |  | A                                                                                                                                                                                                                                                                                                                                                                                                               |  | 53919     |  | HBAKKE                 |  | PE36068  |  |
|                                                                                                   |  |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |  |           |  | REV                    |  | B        |  |

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