



## BNC Male to BNC Female Low Frequency Low Loss Cable 36 Inch Length Using PE-SF200LL Coax, RoHS

### RF Cable Assemblies Technical Data Sheet

PE3TC1101-36

#### Configuration

- Connector 1: BNC Male
- Connector 2: BNC Female
- Cable Type: PE-SF200LL

#### Features

- Durable BNC Male and BNC Female options
- 1.35:1 VSWR to 3 GHz
- 76% velocity of propagation (VoP) low loss coax
- 100% VSWR tested and Hi-Pot tested to 500 volts
- Very flexible and durable
- Enhanced strain relief, heavy duty booting
- In-stock and ready to ship

#### Applications

- Production testing up to 3 GHz
- RF development testing
- General lab testing
- Test rack applications

#### Description

Pasternack's new line of BNC test cables built on our PE-SF200LL coax are optimized for use up to 3 GHz. The highly flexible low loss coax design improves the usability of the test cables reducing the strain applied to your test components while making it easier to route the cables in your test setup or equipment rack. The flexible coax cable has excellent electrical properties including low insertion loss and >100 dB of shielding effectivity. These 3 GHz test cables are available with Male and Female BNC connector options and are stocked in standard lengths and available for same day shipment.

#### Electrical Specifications

| Description             | Minimum | Typical     | Maximum | Units        |
|-------------------------|---------|-------------|---------|--------------|
| Frequency Range         | DC      |             | 3       | GHz          |
| VSWR                    |         |             | 1.35:1  |              |
| Velocity of Propagation |         | 76          |         | %            |
| RF Shielding            | 90      |             |         | dB           |
| Group Delay             |         | 1.34 [4.4]  |         | ns/ft [ns/m] |
| Capacitance             |         | 26.7 [87.6] |         | pF/ft [pF/m] |
| Operating Voltage (AC)  |         |             | 500     | Vrms         |
| Input Power (Peak)      |         |             | 3       | KWatts       |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Female Low Frequency Low Loss Cable 36 Inch Length Using PE-SF200LL Coax, RoHS PE3TC1101-36](#)



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### Specifications by Frequency

| Description           | F1   | F2   | F3   | F4   | F5   | Units |
|-----------------------|------|------|------|------|------|-------|
| Frequency             | 0.1  | 0.25 | 0.5  | 1    | 3    | GHz   |
| Insertion Loss (Max.) | 0.36 | 0.57 | 0.81 | 1.14 | 1.98 | dB    |
| Power Handling (Max.) | 450  | 300  | 200  | 150  | 80   | Watts |

Electrical Specification Notes:  
Values at 25°C, sea level.

### Mechanical Specifications

#### Cable Assembly

|        |                    |
|--------|--------------------|
| Length | 36 in [914.4 mm]   |
| Weight | 0.16 lbs [72.57 g] |

#### Cable

|                                      |                   |
|--------------------------------------|-------------------|
| Cable Type                           | PE-SF200LL        |
| Impedance                            | 50 Ohms           |
| Inner Conductor Type                 | Solid             |
| Inner Conductor Material and Plating | Copper, Bare      |
| Dielectric Type                      | PTFE              |
| Number of Shields                    | 2                 |
| Shield Layer 1                       | Aluminum Tape     |
| Shield Layer 2                       | Tinned Copper     |
| Jacket Material                      | PVC               |
| Jacket Diameter                      | 0.185 in [4.7 mm] |
| One Time Minimum Bend Radius         | 0.5 in [12.7 mm]  |

#### Connectors

| Description                       | Connector 1   | Connector 2            |
|-----------------------------------|---------------|------------------------|
| Type                              | BNC Male      | BNC Female             |
| Impedance                         | 50 Ohms       | 50 Ohms                |
| Contact Material and Plating      | Brass, Gold   | Beryllium Copper, Gold |
| Dielectric Type                   | PTFE          | PTFE                   |
| Coupling Nut Material and Plating | Brass, Nickel | Brass, Nickel          |
| Body Material and Plating         | Brass, Nickel | Brass, Nickel          |

### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

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BNC Male to BNC Female Low Frequency Low Loss  
Cable 36 Inch Length Using PE-SF200LL Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE3TC1101-36

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

**How to Order**

Part Number Configuration:

**PE3TC1101**

**- xx**

**uu**

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

Example: PE3TC1101-12 = 12 inches long cable  
PE3TC1101-100cm = 100 cm long cable

BNC Male to BNC Female Low Frequency Low Loss Cable 36 Inch Length Using PE-SF200LL Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

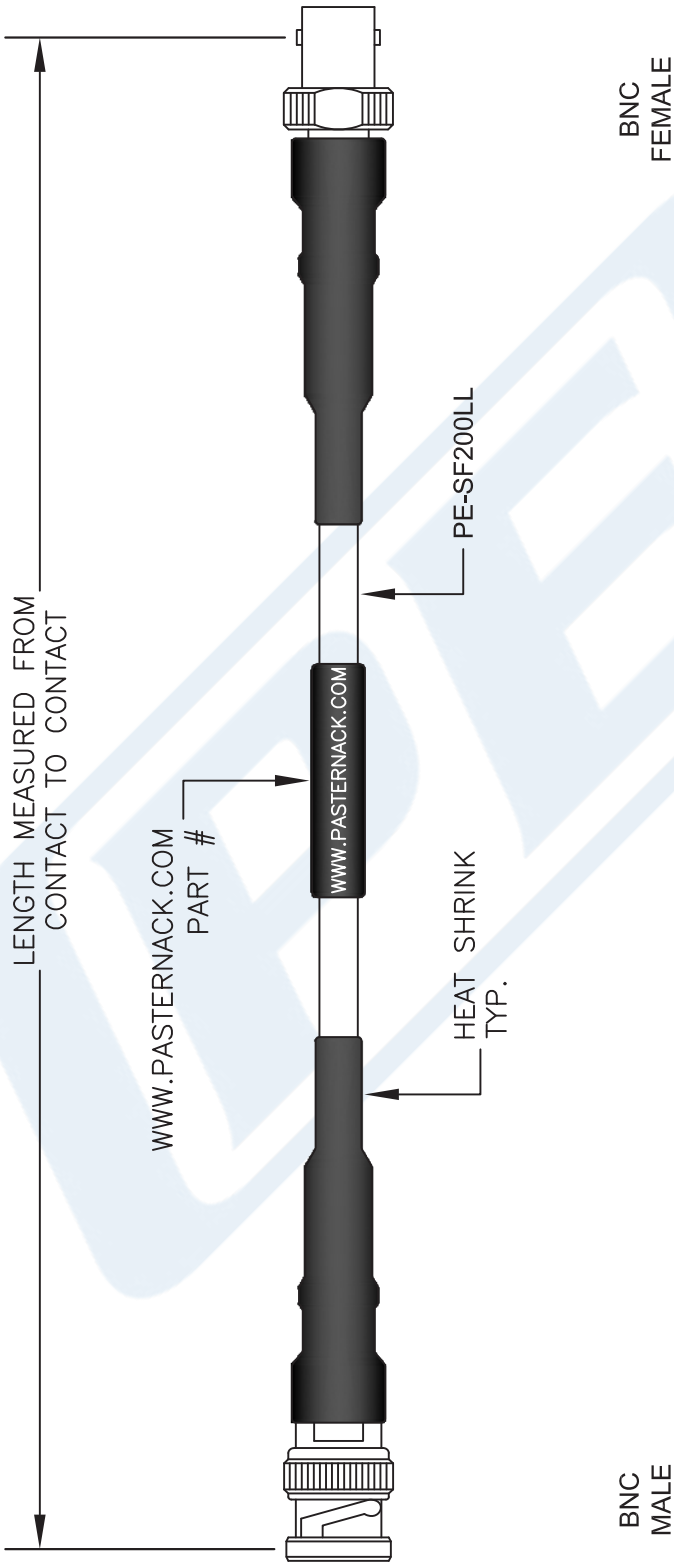
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

PE3TC1101-36 CAD Drawing

BNC Male to BNC Female Low Frequency Low Loss Cable  
36 Inch Length Using PE-SF200LL Coax, RoHS



- 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  $\pm 2\%$

DWG TITLE

PE3TC1101

FSCM NO. 53919

CAD FILE 022516

SCALE N/A

SIZE A

2233

**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE

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