



75 Ohm N Male to 75 Ohm F Male Low Frequency Cable  
36 Inch Length Using 75 Ohm PE-SF200LL75 Coax, RoHS

**RF Cable Assemblies Technical Data Sheet**

**PE3TC1205-36**

**Configuration**

- Connector 1: N Male
- Connector 2: F Male
- Cable Type: PE-SF200LL75

**Features**

- Precision 75 Ohm Type F to 75 Ohm Type N connectors
- 1.35:1 VSWR to 3 GHz
- 70% 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
- Precision Type F center conductor diameter 0.029"

**Applications**

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

**Description**

Pasternack's new line of 75 Ohm F type to 75 Ohm Type N test cables built on our PE-SF200LL75 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. These 3 GHz test cables are available with Male and Female F type 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  |       |
| Insertion Loss          |         |         | 1.69    | dB    |
| Velocity of Propagation |         | 70      |         | %     |
| Operating Voltage (AC)  |         |         | 500     | Vrms  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male to 75 Ohm F Male Low Frequency Cable 36 Inch Length Using 75 Ohm PE-SF200LL75 Coax, RoHS PE3TC1205-36](#)



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### Specifications by Frequency

| Description           | F1   | F2   | F3   | F4 | F5 | Units |
|-----------------------|------|------|------|----|----|-------|
| Frequency             | 1    | 2    | 3    |    |    | GHz   |
| Insertion Loss (Max.) | 1.48 | 1.57 | 1.69 |    |    | dB    |

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

### Mechanical Specifications

#### Cable Assembly

|        |                     |
|--------|---------------------|
| Length | 36 in [914.4 mm]    |
| Weight | 0.24 lbs [108.86 g] |

#### Cable

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | PE-SF200LL75               |
| Impedance                            | 75 Ohms                    |
| Inner Conductor Type                 | Solid                      |
| Inner Conductor Material and Plating | Copper, Bare               |
| Dielectric Type                      | PTFE                       |
| Number of Shields                    | 2                          |
| Shield Layer 1                       | Silver Plated Copper Braid |
| Shield Layer 2                       | Silver Plated Copper Braid |
| Jacket Material                      | FEP                        |
| Jacket Diameter                      | 0.195 in [4.95 mm]         |

|                              |                |
|------------------------------|----------------|
| One Time Minimum Bend Radius | 1 in [25.4 mm] |
|------------------------------|----------------|

### Connectors

| Description                       | Connector 1                | Connector 2                |
|-----------------------------------|----------------------------|----------------------------|
| Type                              | N Male                     | F Male                     |
| Impedance                         | 75 Ohms                    | 75 Ohms                    |
| Contact Material and Plating      | Beryllium Copper, Gold     | Beryllium Copper, Gold     |
| Dielectric Type                   | PTFE                       | PTFE                       |
| Coupling Nut Material and Plating | Passivated Stainless Steel | Passivated Stainless Steel |
| Body Material and Plating         | Passivated Stainless Steel | Passivated Stainless Steel |

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

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

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**PE3TC1205-36**

### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

### How to Order

Part Number Configuration:

**PE3TC1205**

- **xx**

**uu**

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

Example: PE3TC1205-12 = 12 inches long cable  
PE3TC1205-100cm = 100 cm long cable

75 Ohm N Male to 75 Ohm F Male Low Frequency Cable 36 Inch Length Using 75 Ohm PE-SF200LL75 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.

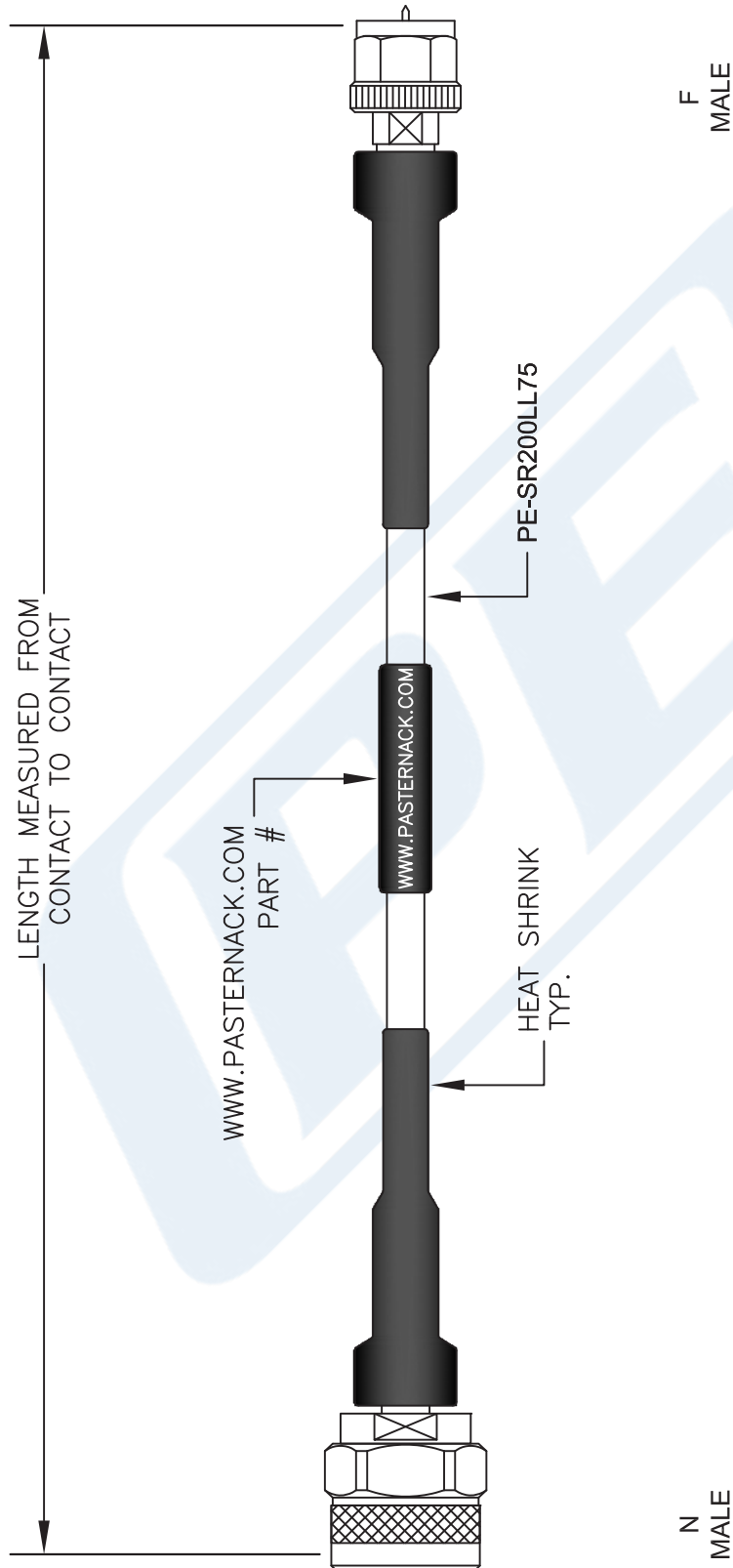
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URL: <http://www.pasternack.com/n-male-f-male-pe-sf200ll75-cable-assembly-pe3tc1205-36-p.aspx>

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.

# PE3TC1205-36 CAD Drawing

75 Ohm N Male to 75 Ohm F Male Low Frequency Cable 36 Inch  
Length Using 75 Ohm PE-SF200LL75 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

**PE3TC1205**

FSCM NO. 53919

CAD FILE 022916

SCALE N/A

SIZE A

2233

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

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