



SMB Plug to SMB Plug Cable 72 Inch  
Length Using RG188 Coax, RoHS

**RF Cable Assemblies Technical Data Sheet**

**PE3587LF-72**

**Configuration**

- Connector 1: SMB Plug
- Connector 2: SMB Plug
- Cable Type: RG188

**Features**

- Max Frequency 3 GHz
- PTFE Jacket

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3587LF-72 SMB plug to SMB plug 72 inch cable using RG188 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 SMB to SMB cable assembly has a plug to plug gender configuration with 50 ohm flexible RG188 coax. The PE3587LF-72 SMB plug to SMB plug cable assembly operates to 3 GHz.

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 |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range                      | DC      |         | 3       | GHz   |
| VSWR                                 |         |         | 1.4:1   |       |
| Dielectric Withstanding Voltage (AC) |         |         | 1,000   | Vrms  |

**Specifications by Frequency**

| Description           | F1    | F2     | F3     | F4     | F5     | Units |
|-----------------------|-------|--------|--------|--------|--------|-------|
| Frequency             | 0.1   | 0.25   | 0.5    | 1      | 3      | GHz   |
| Insertion Loss (Typ.) | 0.5   | 0.95   |        |        |        | dB    |
| VSWR (Max.)           | 1.4:1 | 1.4:1  | 1.4:1  | 1.4:1  | 1.4:1  |       |
| Return Loss (Max.)    | 15.56 | 15.563 | 15.563 | 15.563 | 15.563 | dB    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug to SMB Plug Cable 72 Inch Length Using RG188 Coax, RoHS PE3587LF-72](#)



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### Mechanical Specifications

#### Cable Assembly

Weight 0.079 lbs [35.83 g]

#### Cable

Cable Type RG188  
Impedance 50 Ohms  
Inner Conductor Type Stranded  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Shield Layer 1 Silver Plated Copper Braid  
Jacket Material PTFE, White  
Jacket Diameter 0.11 in [2.79 mm]

#### Connectors

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

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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## RF Cable Assemblies Technical Data Sheet

**PE3587LF-72**

### How to Order

Part Number Configuration:

**PE3587LF**

- **xx**

**uu**

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

Example: PE3587LF-12 = 12 inches long cable  
PE3587LF-100cm = 100 cm long cable

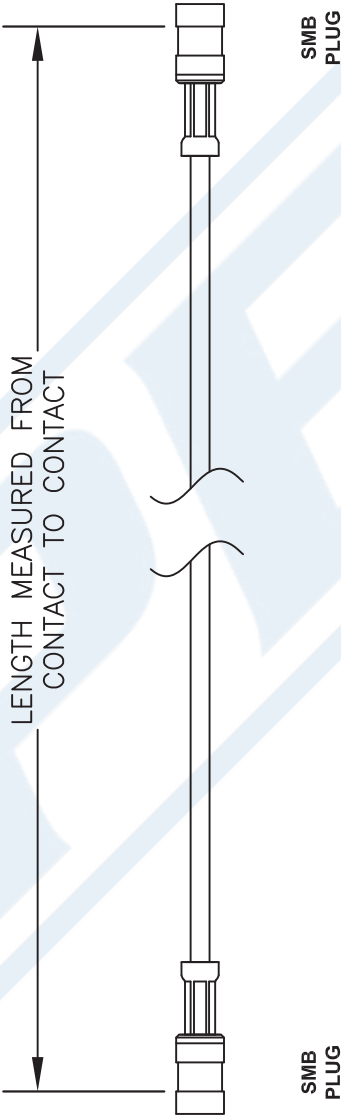
SMB Plug to SMB Plug Cable 72 Inch Length Using RG188 Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug to SMB Plug Cable 72 Inch Length Using RG188 Coax, RoHS PE3587LF-72](#)

URL: <https://www.pasternack.com/smb-plug-smb-plug-rg188au-cable-assembly-pe3587lf-72-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.

| Standard Lengths |                         |
|------------------|-------------------------|
| -12              | 12"                     |
| -24              | 24"                     |
| -36              | 36"                     |
| -48              | 48"                     |
| -60              | 60"                     |
| -XXX             | Custom Length in Inches |



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  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE3587LF-XX**

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|        |                |                 |           |        |     |
|--------|----------------|-----------------|-----------|--------|-----|
| REV. A | FSCM NO. 53919 | CAD FILE 021308 | SCALE N/A | SIZE A | 127 |
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