

## SMA Male to SMA Male Cable Using RG316 Coax, RoHS



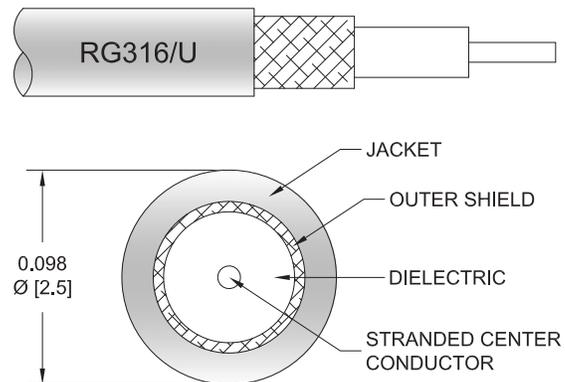
### PE3573LF

#### Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: RG316
- Coax Flex Type: Flexible

#### Features

- Max Frequency 3 GHz
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3573LF SMA male to SMA male cable using RG316 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 SMA to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG316 coax. The PE3573LF SMA male to SMA male 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   |              |
| Return Loss     |         |             | 15.563  | dB           |
| Capacitance     |         | 32 [104.99] |         | pF/ft [pF/m] |

#### Specifications by Frequency

| Description           | F1   | F2   | F3    | F4   | F5   | Units |
|-----------------------|------|------|-------|------|------|-------|
| Frequency             | 0.1  | 0.25 | 0.5   | 1    | 3    | GHz   |
| Insertion Loss (Typ.) | 0.31 | 0.36 | 0.438 | 0.58 | 0.78 | dB/ft |
|                       | 1.02 | 1.18 | 1.44  | 1.9  | 2.56 | dB/m  |

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#### Mechanical Specifications

##### Cable Assembly

|                |                     |
|----------------|---------------------|
| Width/Diameter | 0.312 in [7.92 mm]  |
| Weight         | 0.034 lbs [15.42 g] |

##### Cable

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | RG316                      |
| 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                      | FEP, Tan                   |
| Jacket Diameter                      | 0.098 in [2.49 mm]         |

#### Connectors

| Description                        | Connector 1      | Connector 2      |
|------------------------------------|------------------|------------------|
| Type                               | SMA Male         | SMA Male         |
| Specification                      | MIL-STD-348A     | MIL-STD-348A     |
| Impedance                          | 50 Ohms          | 50 Ohms          |
| Configuration                      | Straight         | Straight         |
| Contact Material and Plating       | Brass, Gold      | Brass, Gold      |
| Contact Plating Specification      | 30μ in. Minimum  | 30μ in. Minimum  |
| Dielectric Type                    | PTFE             | PTFE             |
| Body Material and Plating          | Brass, Nickel    | Brass, Nickel    |
| Body Plating Specification         | 100μ in. Minimum | 100μ in. Minimum |
| Coupling Nut Material and Plating  | Brass, Nickel    | Brass, Nickel    |
| Coupling Nut Plating Specification | 100μ in. Minimum | 100μ in. Minimum |
| Hex Size                           | 5/16 in          | 5/16 in          |
| Torque                             | 5 in-lbs 0.57 Nm | 5 in-lbs 0.57 Nm |

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

Values at 25°C, sea level.

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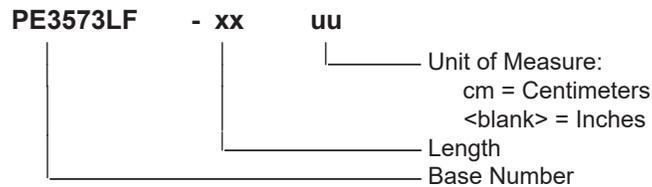


### PE3573LF

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3573LF-12 = 12 inches long cable  
PE3573LF-100cm = 100 cm long cable

SMA Male to SMA Male Cable Using RG316 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: [SMA Male to SMA Male Cable Using RG316 Coax, RoHS PE3573LF](#)

URL: <https://www.pasternack.com/sma-male-sma-male-rg316u-cable-assembly-pe3573lf-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE3573LF CAD Drawing

SMA Male to SMA Male Cable Using RG316 Coax, RoHS

