

## 2.4mm Female to 2.4mm Female Cable Using PE-SR405FLJ Coax, LF Solder



### PE3C1543LF

#### Configuration

- Connector 1: 2.4mm Female
- Connector 2: 2.4mm Female
- Cable Type: PE-SR405FLJ
- Coax Flex Type: Formable

#### Features

- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C1543LF 2.4mm female to 2.4mm female cable using PE-SR405FLJ coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack 2.4mm to 2.4mm cable assembly has a female to female gender configuration with 50 ohm formable PE-SR405FLJ coax.

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       |         | 69.5          |         | %                     |
| RF Shielding                  | 100     |               |         | dB                    |
| Group Delay                   |         | 1.43 [4.69]   |         | ns/ft [ns/m]          |
| Capacitance                   |         | 29 [95.14]    |         | pF/ft [pF/m]          |
| DC Resistance Inner Conductor |         | 65.7 [215.55] |         | Ohms/1000ft [Ohms/Km] |
| DC Resistance Outer Conductor |         | 10.2 [33.46]  |         | Ohms/1000ft [Ohms/Km] |

#### Mechanical Specifications

##### Cable Assembly

Width/Diameter

0.5 in [12.7 mm]

Weight

0.05 lbs [22.68 g]

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#### Cable

|                                        |                               |
|----------------------------------------|-------------------------------|
| Cable Type                             | PE-SR405FLJ                   |
| Impedance                              | 50 Ohms                       |
| Inner Conductor Type                   | Solid                         |
| Inner Conductor Material and Plating   | Copper Clad Steel, Silver     |
| Dielectric Type                        | PTFE                          |
| Number of Shields                      | 1                             |
| Outer Conductor 1 Material and Plating | Tinned Copper Composite Braid |
| Jacket Material                        | FEP, Black                    |
| Jacket Diameter                        | 0.105 in [2.67 mm]            |
| One Time Minimum Bend Radius           | 0.5 in [12.7 mm]              |
| Repeated Minimum Bend Radius           | 0.787 in [19.99 mm]           |

#### Connectors

| Description                   | Connector 1                        | Connector 2                        |
|-------------------------------|------------------------------------|------------------------------------|
| Type                          | 2.4mm Female                       | 2.4mm Female                       |
| Impedance                     | 50 Ohms                            | 50 Ohms                            |
| Configuration                 | Straight                           | Straight                           |
| Contact Material and Plating  | Beryllium Copper, Gold over Nickel | Beryllium Copper, Gold over Nickel |
| Contact Plating Specification | 50 µin minimum                     | 50 µin minimum                     |
| Dielectric Type               | PEI                                | PEI                                |
| Body Material and Plating     | Passivated Stainless Steel         | Passivated Stainless Steel         |
| Body Plating Specification    | SAE-AMS-2700                       | SAE-AMS-2700                       |

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

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### PE3C1543LF

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C1543LF**    **- xx**    **uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

Example:    PE3C1543LF-12 = 12 inches long cable  
              PE3C1543LF-100cm = 100 cm long cable

2.4mm Female to 2.4mm Female Cable Using PE-SR405FLJ Coax, LF Solder 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: [2.4mm Female to 2.4mm Female Cable Using PE-SR405FLJ Coax, LF Solder PE3C1543LF](https://www.pasternack.com/2.4mm-female-2.4mm-female-pe-sr405flj-cable-assembly-pe3c1543lf-p.aspx)

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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.

PE3C1543LF CAD Drawing
2.4mm Female to 2.4mm Female Cable Using PE-SR405FLJ Coax, LF Solder

