

Slide-On BMA Jack 2 Hole Flange to Slide-On BMA Jack 2 Hole Flange Cable 36 Inch Length Using PE-SR405FLJ Coax

PE3C4845-36

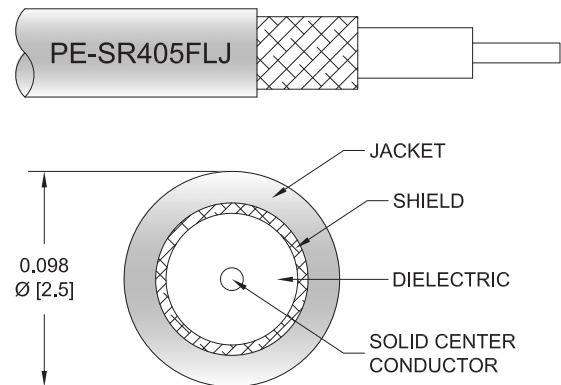


Configuration

- Connector 1: Slide-On BMA Jack 2 Hole Flange
- Connector 2: Slide-On BMA Jack 2 Hole Flange
- Cable Type: PE-SR405FLJ
- Coax Flex Type: Formable

Features

- Max Frequency 20 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket
- Good VSWR of 1.5:1
- Gold Plated BMA Contacts
- Low Engagement Force BMA interface
- In stock and ready to ship



Applications

- General Purpose
- Laboratory Use
- BMA Cable RF Backplanes
- Blind Mate BMA Test
- Rack and Panel
- Phased Array Interconnects
- High Speed Switching Networks

Description

Pasternack's BMA cable assemblies using PE-SR405FLJ Coax are part of our full line of RF components available for same-day shipping. These BMA cable assemblies are designed to connect BMA system components, BMA racks, or BMA backplanes, delivering signal frequencies as high as 20 GHz. Our family of BMA cables can also be used to connect switching networks or phase-matched antenna arrays where low loss BMA interconnects are desired. If none of our standard options fit your application, you can specify your own custom BMA cable assembly using Pasternack's online Cable Creator.

Our BMA cable assembly datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave cable assemblies allow designers to configure and customize their signal connections however they like. Whether the need is to provide BMA cabling or blind mate rack connections, Pasternack has the right cable assemblies for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same day.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|-------------|---------|--------------|
| Frequency Range | DC | | 20 | GHz |
| VSWR | | | 1.5:1 | |
| Return Loss | | | 15.56 | dB |
| 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] |

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Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|------------------------|---------|---------|---------|-------|
| Operating Voltage (AC) | | | 350 | Vrms |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|------|-----|-------|
| Frequency | 0.5 | 1 | 5 | 10 | 20 | GHz |
| Insertion Loss (Typ.) | 0.65 | 0.88 | 1.85 | 2.64 | 3.8 | dB |

Mechanical Specifications

Cable Assembly

| | |
|----------------|--------------------|
| Width/Diameter | 0.75 in [19.05 mm] |
| Weight | 0.07 lbs [31.75 g] |

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 | BMA Jack 2 Hole Flange | BMA Jack 2 Hole Flange |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Straight |
| Connection Method | Slide-On | Slide-On |
| Contact Material and Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Contact Plating Specification | 51.18µ in. minimum | 51.18µ in. minimum |
| Dielectric Type | PTFE | PTFE |
| Outer Conductor Material and Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Body Material and Plating | Stainless Steel, Gold | Stainless Steel, Gold |
| Body Plating Specification | 19.68µ in. minimum | 19.68µ in. minimum |

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Environmental Specifications

Operating Range Temperature

-55 to +125 deg C

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

Plotted and Other Data

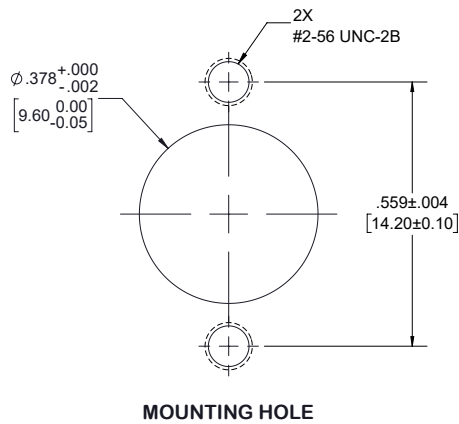
Notes:

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Typical Performance Data



Slide-On BMA Jack 2 Hole Flange to Slide-On BMA Jack 2 Hole Flange Cable 36 Inch Length Using PE-SR405FLJ Coax

PE3C4845-36



How to Order

Part Number Configuration:

PE3C4845

- xx

uu

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

Example: PE3C4845-12 = 12 inches long cable
PE3C4845-100cm = 100 cm long cable

Slide-On BMA Jack 2 Hole Flange to Slide-On BMA Jack 2 Hole Flange Cable 36 Inch Length Using PE-SR405FLJ Coax 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: [Slide-On BMA Jack 2 Hole Flange to Slide-On BMA Jack 2 Hole Flange Cable 36 Inch Length Using PE-SR405FLJ Coax PE3C4845-36](#)

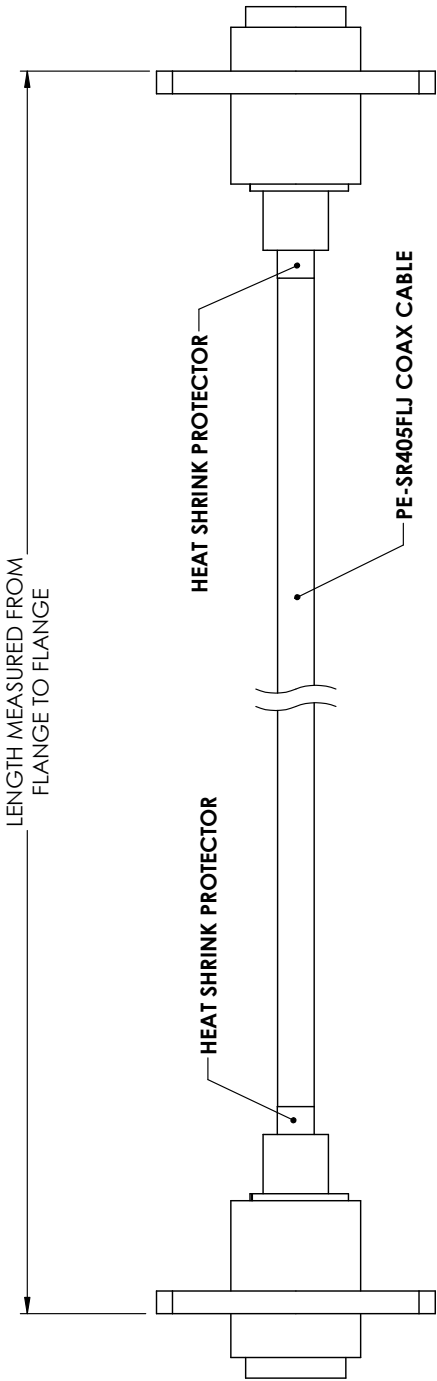
URL: <https://www.pasternack.com/bma-jack-bma-jack-pe-sr405flj-cable-assembly-pe3c4845-36-p.aspx>

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.

PE3C4845-36 CAD Drawing

Slide-On BMA Jack 2 Hole Flange to Slide-On BMA Jack 2 Hole Flange

Cable 36 Inch Length Using PE-SR405FLJ Coax



| STANDARD | TOLERANCES |
|----------|------------|
| .X | ±0.2 |
| .XX | ±0.01 |
| .XXX | ±0.005 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

**PASTERNAK®**
THE ENGINEER'S RF SOURCE
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Website: www.pasternack.com | **E-Mail:** sales@pasternack.com

| | |
|-----------|----------|
| DWG TITLE | PE3C4845 |
| CAGE CODE | 53919 |

| | | | | | | | |
|---|----------|----------|-------|-----|------|---|--------|
| 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]. | CAD FILE | 12/07/17 | SCALE | N/A | SIZE | A | CN2245 |
|---|----------|----------|-------|-----|------|---|--------|