



Slide-On BMA Plug Bulkhead to SMA Male Right Angle Cable 24 Inch Length Using PE-SR402FLJ Coax

RF Cable Assemblies Technical Data Sheet

PE3C4909-24

Configuration

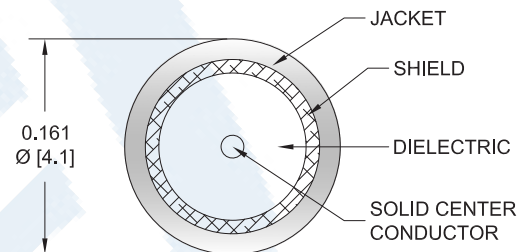
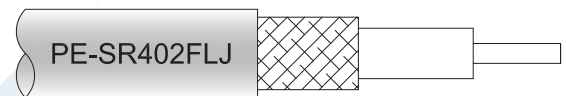
- Connector 1: Slide-On BMA Plug Bulkhead
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR402FLJ

Features

- Max Frequency 10 GHz
- Shielding Effectivity > 100 dB
- 70% 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-SR402FLJ 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 22 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.

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 Plug Bulkhead to SMA Male Right Angle Cable 24 Inch Length Using PE-SR-402FLJ Coax PE3C4909-24](#)



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Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|-------------|---------|--------------|
| Frequency Range | DC | | 10 | GHz |
| VSWR | | | 1.5:1 | |
| Return Loss | | | 15.56 | dB |
| Velocity of Propagation | | 70 | | % |
| RF Shielding | 100 | | | dB |
| Group Delay | | 1.43 [4.69] | | ns/ft [ns/m] |
| Capacitance | | 29 [95.14] | | pF/ft [pF/m] |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|------|------|-------|
| Frequency | 0.5 | 1 | 2.5 | 5 | 10 | GHz |
| Insertion Loss (Typ.) | 0.36 | 0.44 | 0.56 | 0.76 | 1.04 | dB |

Mechanical Specifications

Cable Assembly

Length* 24 in [609.6 mm]
Diameter 0.315 in [8 mm]

Cable

Cable Type PE-SR402FLJ
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Shield Layer 1 Tinned Copper Braid
Jacket Material FEP, Black
Jacket Diameter 0.161 in [4.09 mm]

One Time Minimum Bend Radius 0.315 in [8 mm]
Repeated Minimum Bend Radius 1.575 in [40.01 mm]

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Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------------|--------------------|----------------------------|
| Type | BMA Plug Bulkhead | SMA Male Right Angle |
| Impedance | 50 Ohms | 50 Ohms |
| Connection Method | Slide-On | |
| Contact Material and Plating | Bronze, Gold | Brass, Gold over Nickel |
| Contact Plating Specification | 51.18µ in. minimum | |
| Dielectric Type | PTFE | PTFE |
| Outer Conductor Material and Plating | Brass, Tri-Metal | |
| Outer Conductor Plating Specification | 78.74µ in. minimum | |
| Body Material and Plating | Brass, Tri-Metal | Brass, Gold over Nickel |
| Body Plating Specification | 78.74µ in. minimum | |
| Coupling Nut Material and Plating | | Passivated Stainless Steel |
| Hex Size | 8 mm | 16-May inch |
| Torque | | 8 in-lbs [0.9 Nm] |

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

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

Plotted and Other Data

Notes:

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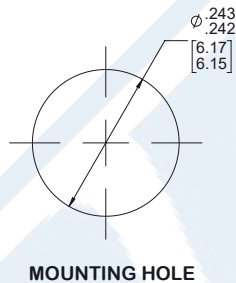


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Typical Performance Data



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How to Order

Part Number Configuration:

PE3C4909

- **xx**

uu

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

Example: PE3C4909-12 = 12 inches long cable
PE3C4909-100cm = 100 cm long cable

Slide-On BMA Plug Bulkhead to SMA Male Right Angle Cable 24 Inch Length Using PE-SR402FLJ 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.

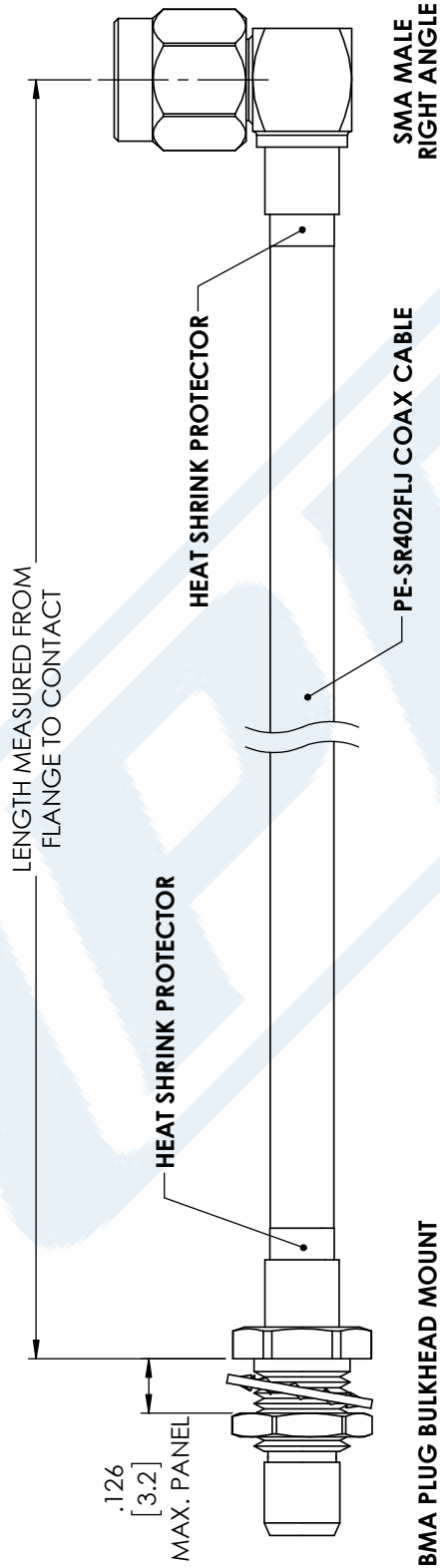
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Slide-On BMA Plug Bulkhead to SMA Male Right Angle Cable 24 Inch Length Using PE-SR402FLJ Coax PE3C4909-24](https://www.pasternack.com/bma-plug-sma-male-pe-sr402flj-cable-assembly-pe3c4909-24-p.aspx)

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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.

PE3C4909-24 CAD Drawing

Slide-On BMA Plug Bulkhead to SMA Male Right Angle
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| STANDARD TOLERANCES | |
|---------------------|--------|
| .X | ±0.2 |
| .XX | ±0.01 |
| .XXX | ±0.005 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

| | | |
|---|----------------------------------|--|
| <p>NOTES:</p> <ol style="list-style-type: none"> 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]. | <p>DWG TITLE</p> <p>PE3C4909</p> | <p>PASTERNAK® THE ENGINEER'S RF SOURCE</p> <p>Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623</p> <p>Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com</p> |
| <p>CAD FILE</p> <p>12/22/17</p> | <p>SCALE</p> <p>N/A</p> | <p>CAGE CODE</p> <p>53919</p> |
| <p>SIZE A</p> <p>CN2245</p> | | |