



RF Cable Assemblies Technical Data Sheet

PE3C4881-24

Configuration

• Connector 1: Slide-On BMA Plug Bulkhead

• Connector 2: SMA Male

Cable Type: RG405

Features

- Max Frequency 18 GHz
- 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 RG405 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.

Electrical Specifications

Description		Minimum	Typical	Maximum	Units
Frequency Rang	ge	DC		18	GHz
VSWR				1.5:1	
Return Loss				15.56	dB

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 Cable 24 Inch Length Using RG405 Coax PE3C4881-24

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.64	0.76	1.12	1.7	2.46	dB

Mechanical Specifications

Cable Assembly

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

Cable

Cable TypeRG405Impedance50 OhmsInner Conductor TypeSolid

Inner Conductor Material and Plating Copper Clad Steel, Silver Dielectric Type PTFE

Dielectric Type PTFE
Number of Shields 1
Outer Conductor Material and Plating Copper

Repeated Minimum Bend Radius 0.05 in [1.27 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	BMA Plug Bulkhead	SMA Male	
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	5/16 inch	
Torque		8 in-lbs [0.9 Nm]	

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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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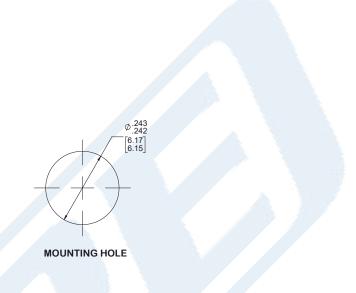




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Typical Performance Data



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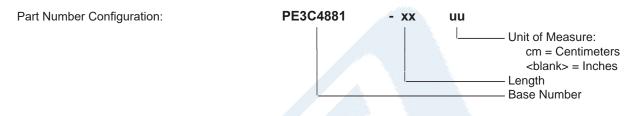




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How to Order



Example: PE3C4881-12 = 12 inches long cable PE3C4881-100cm = 100 cm long cable

Slide-On BMA Plug Bulkhead to SMA Male Cable 24 Inch Length Using RG405 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.

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URL: https://www.pasternack.com/bma-plug-sma-male-rg405u-cable-assembly-pe3c4881-24-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.

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PE3C4881-24 CAD DrawingSlide-On BMA Plug Bulkhead to SMA Male Cable 24 Inch Length Using RG405 Coax

