



Slide-On BMA Plug Bulkhead to Slide-On BMA Plug Bulkhead Cable Using RG402 Coax

RF Cable Assemblies Technical Data Sheet

PE3W08912

Configuration

- Connector 1: Slide-OnBMA Plug Bulkhead
- Connector 2: Slide-OnBMA Plug Bulkhead
- Cable Type: RG402

Features

- Max Frequency 22 GHz
- 69.5% Phase Velocity
- 1000 Mating Cycles

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W08912 BMA plug slide-on bulkhead to BMA plug slide-on bulkhead cable using RG402 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack BMA to BMA cable assembly has a plug to plug gender configuration with 50 ohm semi-rigid RG402 coax. The PE3W08912 BMA plug to BMA plug cable assembly operates to 22 GHz. Our RF cable assembly with BMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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.

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 Slide-On BMA Plug Bulkhead Cable Using RG402 Coax PE3W08912](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		22	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Dielectric Withstanding Voltage (AC)			1,500	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	22	GHz
Insertion Loss (Typ.)	0.111	0.153	0.259	0.403	0.726	dB/ft
	0.36	0.5	0.85	1.32	2.38	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.046 lbs [20.87 g]

Cable

Cable Type RG402
 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 Material and Plating Copper

Repeated Minimum Bend Radius 0.25 in [6.35 mm]

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Connectors

Description	Connector 1	Connector 2
Type	BMA Plug Bulkhead	BMA Plug Bulkhead
Impedance	50 Ohms	50 Ohms
Connection Method	Slide-On	Slide-On
Mating Cycles	1,000	1,000
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	Stainless Steel, Gold	Stainless Steel, Gold
Outer Conductor Plating Specification	19.68µ in. minimum	19.68µ in. minimum
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Specification	19.68µ in. minimum	19.68µ in. minimum
Hex Size	11 mm	11 mm

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W08912

- **xx**

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

Example: PE3W08912-12 = 12 inches long cable
PE3W08912-100cm = 100 cm long cable

Slide-On BMA Plug Bulkhead to Slide-On BMA Plug Bulkhead Cable Using RG402 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 Slide-On BMA Plug Bulkhead Cable Using RG402 Coax PE3W08912](https://www.pasternack.com/slide-on-bma-plug-bulkhead-to-slide-on-bma-plug-bulkhead-cable-using-rg402-pe3w08912)

URL: <https://www.pasternack.com/slide-on-bma-plug-bulkhead-to-slide-on-bma-plug-bulkhead-cable-using-rg402-pe3w08912-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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