

Snap-On MMBX Plug Right Angle to SMA Female
Bulkhead Cable 12 Inch Length Using RG316 Coax



RF Cable Assemblies Technical Data Sheet

PE3C4018-12

Configuration

- Connector 1: Snap-OnMMBX Plug Right Angle
- Connector 2: SMA Female Bulkhead
- Cable Type: RG316

Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket
- Snap-On mating

Applications

- General Purpose
- Laboratory Use
- General Purpose Test
- PCB Probing
- PCB Testing
- PCB-to-Panel

Description

Pasternack's PE3C4018-12 MMBX plug snap-on right angle to SMA female bulkhead 12 inch cable using RG316 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack MMBX to SMA cable assembly has a plug to female gender configuration with 50 ohm flexible RG316 coax. The PE3C4018-12 MMBX plug to SMA female cable assembly operates to 3 GHz. The right angle MMBX interface on the RG316 cable allows for easier connections in tight spaces. Our RF cable assembly with SMA 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: [Snap-On MMBX Plug Right Angle to SMA Female Bulkhead Cable 12 Inch Length Using RG316 Coax PE3C4018-12](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Max.)	0.31	0.37	0.44	0.58	0.78	dB

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Diameter	0.312 in [7.92 mm]

Cable

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.098 in [2.49 mm]

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Connectors

Description	Connector 1	Connector 2
Type	MMBX Plug Right Angle	SMA Female Bulkhead
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Connection Method	Snap-On	
Mating Cycles	100	
Contact Material and Plating	Beryllium Copper, Gold	Gold
Contact Plating Specification		MIL-G-45204
Dielectric Type	PTFE	
Outer Conductor Material and Plating	Brass, Gold	
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification		QQ-N-290

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

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

Plotted and Other Data

Notes:

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PE3C4018-12

How to Order

Part Number Configuration:

PE3C4018

- **xx**

uu

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

Example: PE3C4018-12 = 12 inches long cable
PE3C4018-100cm = 100 cm long cable

Snap-On MMBX Plug Right Angle to SMA Female Bulkhead Cable 12 Inch Length Using RG316 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.

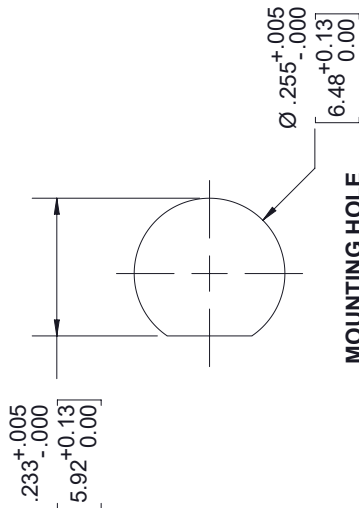
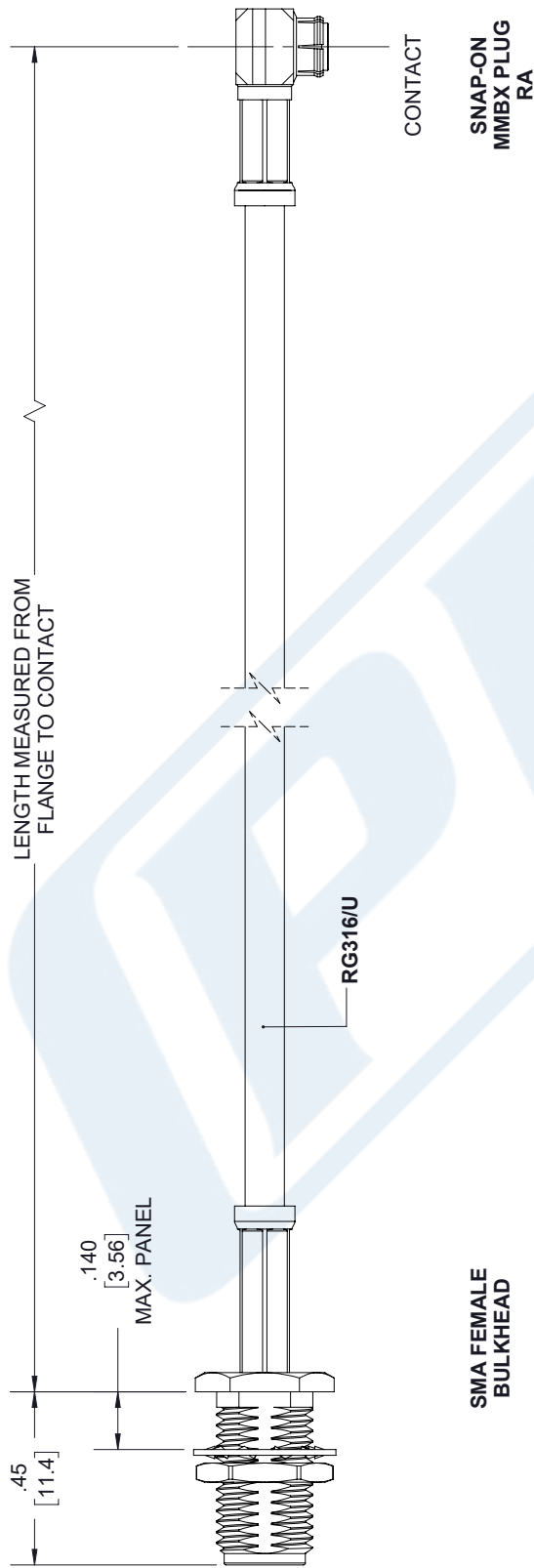
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Snap-On MMBX Plug Right Angle to SMA Female Bulkhead Cable 12 Inch Length Using RG316 Coax PE3C4018-12](https://www.pasternack.com/mmbx-plug-sma-female-rg316u-cable-assembly-pe3c4018-12-p.aspx)

URL: <https://www.pasternack.com/mmbx-plug-sma-female-rg316u-cable-assembly-pe3c4018-12-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.

PE3C4018-12 CAD Drawing
Snap-On MMBX Plug Right Angle to SMA Female Bulkhead
Cable 12 Inch Length Using RG316 Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE3C4018	3/15/2021	SELLIS



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
X = ± .2 [5.08] FRACTIONS
.XX = ± .02 [.51] ± 1/32
.XXX = ± .005 [.13] ANGLES ± 1°
CABLE LENGTH (L) TOLERANCES:
L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5% L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINITI brand

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THIRD-ANGLE PROJECTION

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DESIGN IN THIS DOCUMENT
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SHEET 1 OF 1
SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	K.DANG	PE3C4018

REV A

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