Snap-On MMBX Plug to SSMB Jack Bulkhead Cable 100 cm Length Using RG316 Coax

RF Cable Assemblies Technical Data Sheet
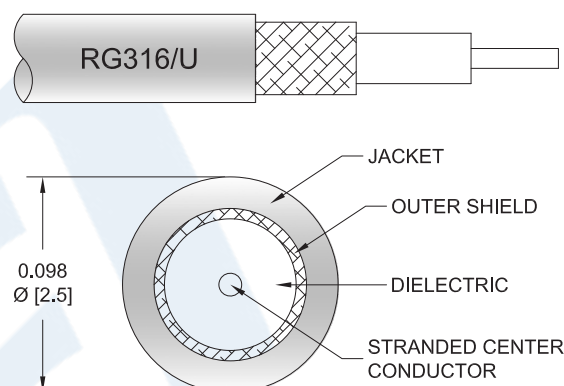
PE3W07532-100CM

Configuration

- Connector 1: Snap-OnMMBX Plug
- Connector 2: SSMB Jack Bulkhead
- Cable Type: RG316

Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket

RG316/U

JACKET
OUTER SHIELD
DIELECTRIC
STRANDED CENTER CONDUCTOR

0.098 Ø [2.5]

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W07532-100CM MMBX plug snap-on to SSMB jack bulkhead 100 cm 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 SSMB cable assembly has a plug to jack gender configuration with 50 ohm flexible RG316 coax. The PE3W07532-100CM MMBX plug to SSMB jack cable assembly operates to 3 GHz. Our RF cable assembly with SSMB 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.5:1	
Velocity of Propagation		69		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Jacket Spark			2,000	Vrms

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 to SSMB Jack Bulkhead Cable 100 cm Length Using RG316 Coax PE3W07532-100CM

Snap-On MMBX Plug to SSMB Jack Bulkhead Cable 100 cm Length Using RG316 Coax

RF Cable Assemblies Technical Data Sheet   PE3W07532-100CM

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	3	GHz
Insertion Loss (Max.)	0.73	0.99	1.45	1.94	2.11	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector Loss

Mechanical Specifications

Cable Assembly
Length*	39.37 in [100 cm]
Diameter	0.188 in [4.78 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	0.102 in [2.59 mm]

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 to SSMB Jack Bulkhead Cable 100 cm Length Using RG316 Coax PE3W07532-100CM

PE3W07532-100CM REV 1.0

Snap-On MMBX Plug to SSMB Jack Bulkhead
Cable 100 cm Length Using RG316 Coax

RF Cable Assemblies Technical Data Sheet   PE3W07532-100CM

Connectors

Description	Connector 1	Connector 2
Type	MMBX Plug	SSMB Jack 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	PTFE
Outer Conductor Material and Plating	Brass, Gold	
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification		MIL-G-45204

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:

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 to SSMB Jack Bulkhead Cable 100 cm Length Using RG316 Coax PE3W07532-100CM

Snap-On MMBX Plug to SSMB Jack Bulkhead
Cable 100 cm Length Using RG316 Coax

RF Cable Assemblies Technical Data Sheet   PE3W07532-100CM

How to Order

Part Number Configuration: **PE3W07532   - xx   uu**

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

Example: PE3W07532-12 = 12 inches long cable
PE3W07532-100cm = 100 cm long cable

Snap-On MMBX Plug to SSMB Jack Bulkhead Cable 100 cm 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 to SSMB Jack Bulkhead Cable 100 cm Length Using RG316 Coax PE3W07532-100CM

URL: https://www.pasternack.com/mmbx-plug-ssmb-jack-rg316u-cable-assembly-pe3w07532-100cm-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.

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	S.ELLIS

.360
[9.14]

.080
[2.03]
MAX. PANEL

3/16 HEX TYP

SSMB JACK BULKHEAD

.130 +.005 / -.000
[3.30 +0.13 / 0.00]

Ø .141 +.005 / -.000
[3.58 +0.13 / 0.00]

MOUNTING HOLE

LENGTH MEASURED FROM CONTACT TO FLANGE

RG316/U

MMBX SNAP ON PLUG

CONTACT

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNACK CORPORATION. ALL RIGHTS RESERVED.

SHEET	1	OF	1

| SCALE | N/A | REV | A |

PART NUMBER
PE3W07532

SIZE	CAGE	DRAWN BY
A	53919	K.DANG

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

TOLERANCES;
.X=± .2 [5.08] FRACTIONS
.XX=± .01 [.25] ± 1/32
.XXX=± .005 [.13] ANGLES ± 1°

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

T-Rev B

PE3W07532-100CM REV 1.0