

## UMCX Plug to MCX Jack Bulkhead Cable 3 Inch Length Using RG178 Coax



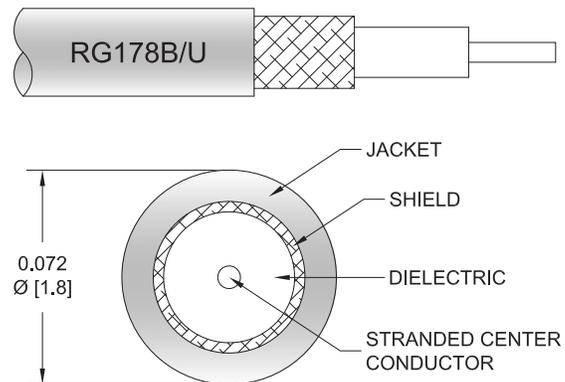
### PE38889-3

#### Configuration

- Connector 1: UMCX Plug Right Angle
- Connector 2: MCX Jack Bulkhead
- Cable Type: RG178
- Coax Flex Type: Flexible

#### Features

- 69.5% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE38889-3 UMCX plug right angle to MCX jack bulkhead 3 inch cable using RG178 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 UMCX to MCX cable assembly has a plug to jack gender configuration with 50 ohm flexible RG178 coax. The right angle UMCX interface on the RG178 cable allows for easier connections in tight spaces. Our RF cable assembly with MCX 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
Velocity of Propagation		69.5		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

#### Mechanical Specifications

##### Cable Assembly

Length	3 in [76.2 mm]
Width/Diameter	0 in [0 mm]
Weight	0.01 lbs [4.54 g]

##### Cable

Cable Type	RG178
Impedance	50 Ohms

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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	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.393 in [9.98 mm]

### Connectors

Description	Connector 1	Connector 2
Type	UMCX Plug Right Angle	MCX Jack Bulkhead
Specification		MIL-C-39012
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Mating Cycles		500
Contact Material and Plating		Brass, Gold
Contact Plating Specification		30μ in minimum
Dielectric Type		Teflon
Body Material and Plating		Brass, Nickel
Body Plating Specification		100μ in minimum

### Environmental Specifications

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

### Plotted and Other Data

Notes:  
Values at 25°C, sea level.

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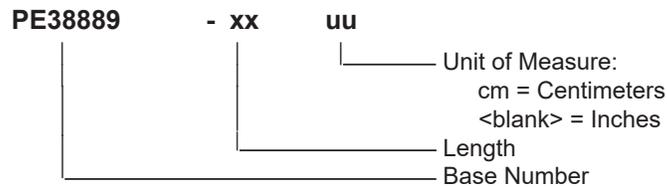


### PE38889-3

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE38889-12 = 12 inches long cable  
PE38889-100cm = 100 cm long cable

UMCX Plug to MCX Jack Bulkhead Cable 3 Inch Length Using RG178 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.

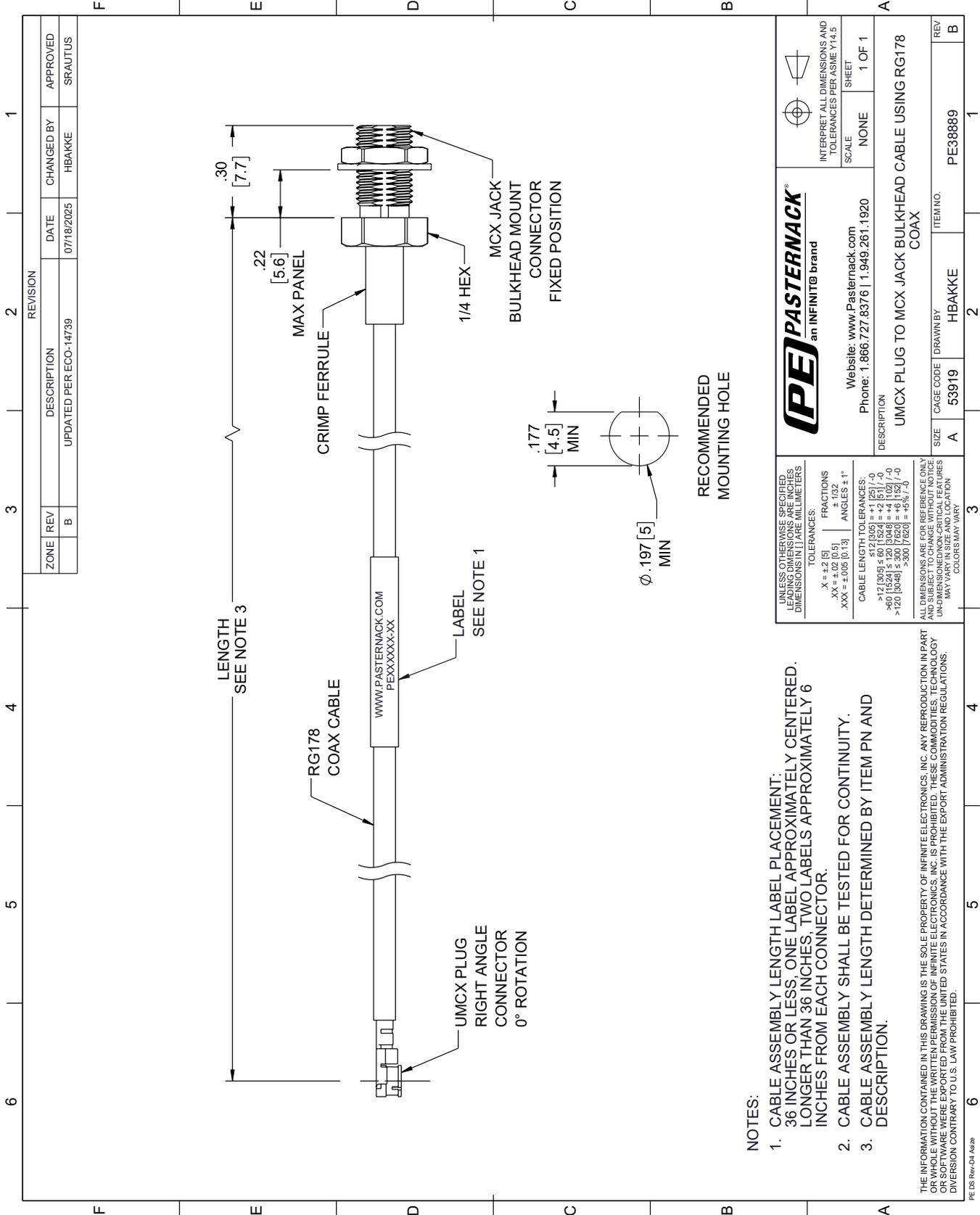
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UMCX Plug to MCX Jack Bulkhead Cable 3 Inch Length Using RG178 Coax PE38889-3](#)

URL: <https://www.pasternack.com/umcx-plug-mcx-jack-rg178bu-cable-assembly-pe38889-3-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE38889-3 CAD Drawing

UMCX Plug to MCX Jack Bulkhead Cable 3 Inch Length Using RG178 Coax



**NOTES:**

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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