



## TRB 3-Slot Full Crimp Plug with Blunt Cut for 78 Ohm PE-30-02001 Cable

### RF Cable Assemblies Technical Data Sheet

**PE3MP2357**

#### Configuration

- Connector 1: TRB Plug
- Connector 2: Blunt Cut Genderless
- Cable Type: 30-02001
- Coax Flex Type: Flexible

#### Features

- Max Frequency 400 MHz
- PVC Jacket
- MIL-STD-1553
- -20°C to +75°C
- 78 ohms

#### Applications

- General Purpose
- Laboratory Use
- MIL-STD-1553
- Data

#### Description

Pasternack's PE3MP2357 78 ohm TRB plug to Blunt cut genderless cable using 78 ohm PE-30-02001 twinax 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 TRB to Blunt Cut cable assembly has a plug to genderless gender configuration with 78 ohm flexible 30-02001 twinax. The PE3MP2357 TRB plug to Blunt cut genderless cable assembly operates to 400 MHz.

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      |              | 400     | MHz          |
| Capacitance            |         | 19.7 [64.63] |         | pF/ft [pF/m] |
| Operating Voltage (AC) |         |              | 1,000   | Vrms         |

#### Specifications by Frequency

| Description | F1 | F2 | F3  | F4  | F5  | Units |
|-------------|----|----|-----|-----|-----|-------|
| Frequency   | 10 | 50 | 100 | 200 | 400 | MHz   |

Electrical Specification Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TRB 3-Slot Full Crimp Plug with Blunt Cut for 78 Ohm PE-30-02001 Cable PE3MP2357](#)



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The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

**Mechanical Specifications**

**Cable Assembly**

Weight 0.055 lbs [24.95 g]

**Cable**

Cable Type 30-02001  
Impedance 78 Ohms  
Inner Conductor Type Stranded  
Inner Conductor Material and Plating Copper, Silver  
Dielectric Type PE  
Shield Layer 1 Silver Plated Copper  
Jacket Material PVC, Blue

One Time Minimum Bend Radius 2.42 in [61.47 mm]

**Connectors**

| Description                           | Connector 1                  | Connector 2          |
|---------------------------------------|------------------------------|----------------------|
| Type                                  | TRB Plug                     | Blunt Cut Genderless |
| Impedance                             | 78 Ohms                      |                      |
| Contact Material and Plating          | Bronze, Gold 30 micro inches |                      |
| Contact Plating Specification         | ASTM-B-488                   |                      |
| Dielectric Type                       | Teflon                       |                      |
| Outer Conductor Material and Plating  | Phosphor Bronze, Gold        |                      |
| Outer Conductor Plating Specification | 30 micro inches              |                      |
| Body Material and Plating             | Brass, Nickel                |                      |
| Body Plating Specification            | ASTM-B-733                   |                      |

**Environmental Specifications**

**Temperature**

Operating Range -20 to +75 deg C

**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: [TRB 3-Slot Full Crimp Plug with Blunt Cut for 78 Ohm PE-30-02001 Cable PE3MP2357](#)



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**PE3MP2357**

**How to Order**

Part Number Configuration:

**PE3MP2357**

- xx

uu

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

Example: PE3MP2357-12 = 12 inches long cable  
PE3MP2357-100cm = 100 cm long cable

TRB 3-Slot Full Crimp Plug with Blunt Cut for 78 Ohm PE-30-02001 Cable 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.

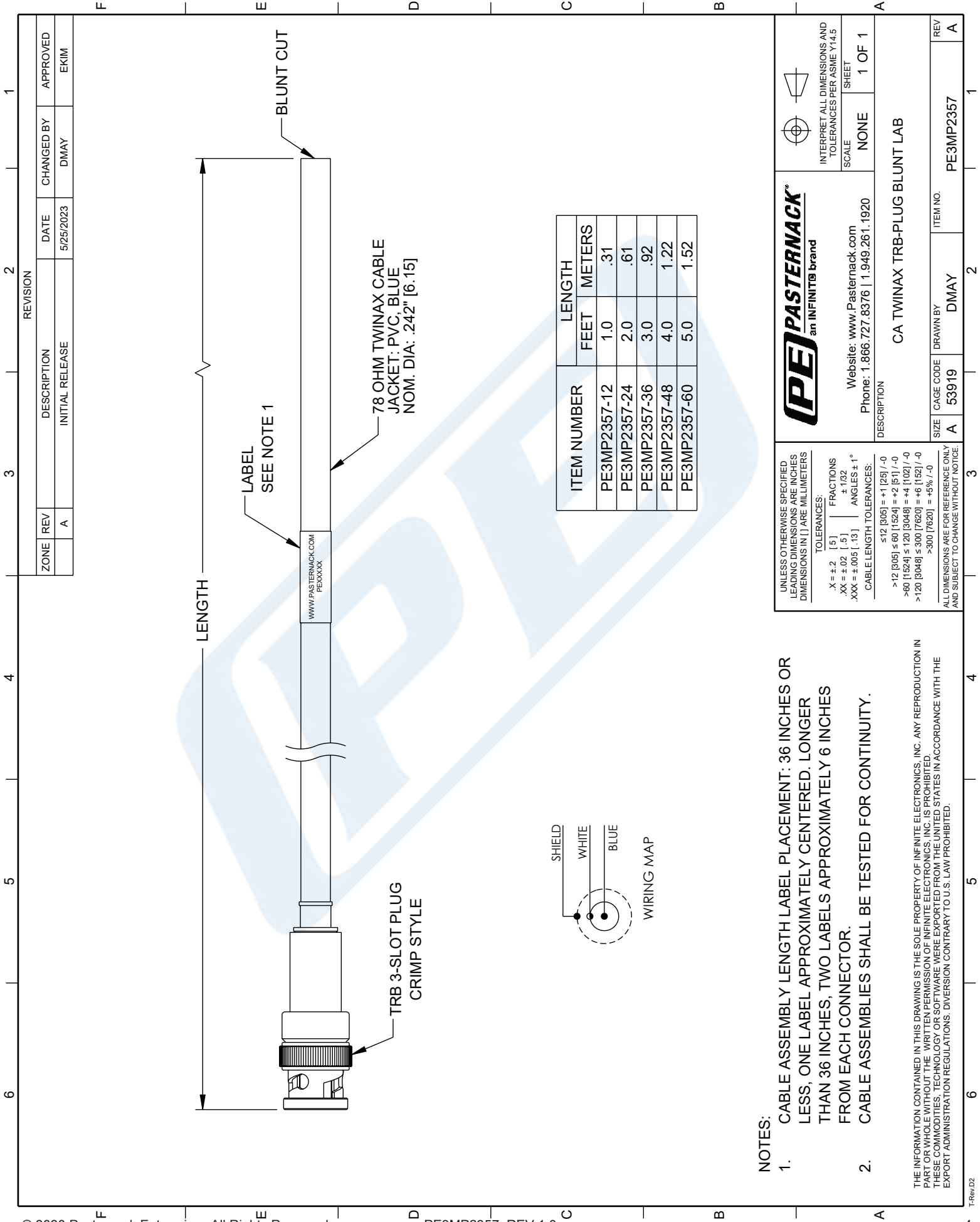
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TRB 3-Slot Full Crimp Plug with Blunt Cut for 78 Ohm PE-30-02001 Cable PE3MP2357](#)

URL: <https://www.pasternack.com/trb-plug-to-blunt-cut-genderless-1553-cable-using-pe-30-02001-pe3mp2357-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.

PE3MP2357 CAD Drawing

TRB 3-Slot Full Crimp Plug with Blunt Cut for 78 Ohm PE-30-02001 Cable



LENGTH

BLUNT CUT

78 OHM TWINAX CABLE  
JACKET: PVC, BLUE  
NOM. DIA: .242" [6.15]

TRB 3-SLOT PLUG  
CRIMP STYLE

WIRING MAP

PE3MP2357-12  
PE3MP2357-24  
PE3MP2357-36  
PE3MP2357-48  
PE3MP2357-60

ITEM NUMBER

LENGTH

FEET

METERS

1.0

.31

2.0

.61

3.0

.92

4.0

1.22

5.0

1.52

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

TOLERANCES:

X = ±.2 [5]

FRACTIONS

.XX = ±.02 [ .5]

±.1/32

ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤12 [305] = ±.1 [25] / -0

>12 [305] ≤ 60 [1524] = ±.2 [51] / -0

>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0

>120 [3048] ≤ 300 [7620] = ±.6 [152] / -0

>300 [7620] = ±.5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE:

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 ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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PE3MP2357

REV 1.0

CA TWINAX TRB-PLUG BLUNT LAB

DESCRIPTION

Website: www.Pasternack.com

Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE

NONE

SHEET

1 OF 1

SIZE

A

CAGE CODE

53919

DRAWN BY

DMAY

ITEM NO.

PE3MP2357

REV

A