



TRS Subminiature Plug with Blunt Cut for
78 Ohm PE-30-02003, 60" Cable

RF Cable Assemblies Technical Data Sheet

PE3MP2456-60

Configuration

- Connector 1: TRS SUBMINIATURE Plug
- Connector 2: Blunt Cut Genderless
- Cable Type: 30-02003
- Coax Flex Type: Flexible

Features

- Max Frequency 500 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 PE3MP2456-60 78 ohm TRS Subminiature plug to Blunt cut genderless 60 inch cable using 78 ohm PE-30-02003 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 TRS Subminiature to Blunt Cut cable assembly has a plug to genderless gender configuration with 78 ohm flexible 30-02003 twinax. The PE3MP2456-60 TRS Subminiature plug to Blunt cut genderless cable assembly operates to 500 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		500	MHz
Capacitance		20.3 [66.6]		pF/ft [pF/m]
Operating Voltage (AC)			300	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	10	50	100	200	500	MHz

Insertion Loss (Typ.)

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: [TRS Subminiature Plug with Blunt Cut for 78 Ohm PE-30-02003, 60" Cable PE3MP2456-60](#)



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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

Length*	60 in [152.4 cm]
Weight	0.115 lbs [52.16 g]

Cable

Cable Type	30-02003
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	1.5 in [38.1 mm]
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Connectors

Description	Connector 1	Connector 2
Type	TRS SUBMINIATURE 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
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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: [TRS Subminiature Plug with Blunt Cut for 78 Ohm PE-30-02003, 60" Cable PE3MP2456-60](#)



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How to Order

Part Number Configuration:

PE3MP2456

- **xx**

uu

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

Example: PE3MP2456-12 = 12 inches long cable
PE3MP2456-100cm = 100 cm long cable

TRS Subminiature Plug with Blunt Cut for 78 Ohm PE-30-02003, 60" 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.

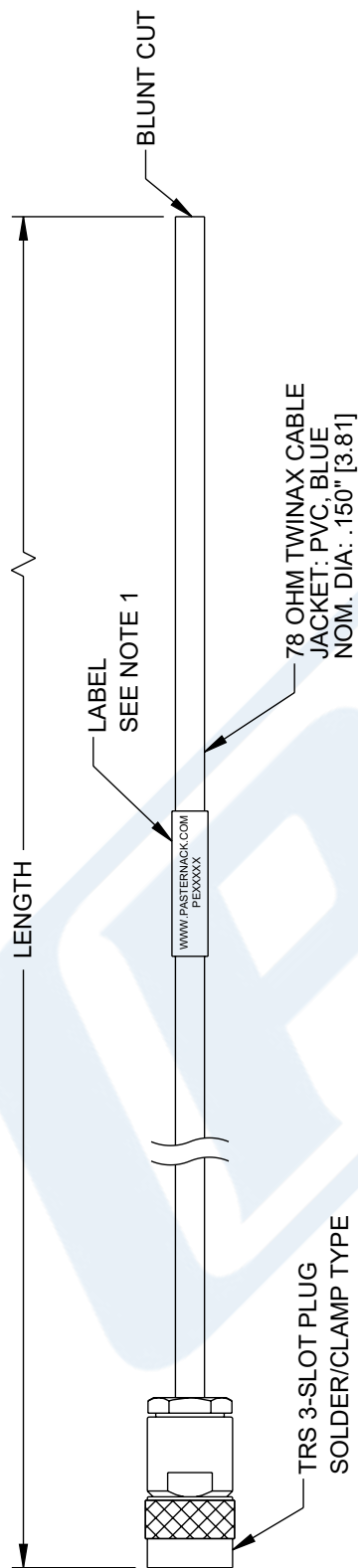
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URL: <https://www.pasternack.com/trs-subminiature-plug-to-blunt-cut-genderless-1553-cable-60-inch-length-using-pe-30-02003-pe3mp2456-60-p.aspx>

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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ITEM NUMBER	LENGTH	
	FEET	METERS
PE3MP2456-12	1.0	.31
PE3MP2456-24	2.0	.61
PE3MP2456-36	3.0	.92
PE3MP2456-48	4.0	1.22
PE3MP2456-60	5.0	1.52

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 ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		 		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5		SCALE SHEET NONE 1 OF 1		REV A	
PE PASTERNAK® an INFINITI® brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		DESCRIPTION		TRS SUBMINI 3-SLOT PLUG 30-02003 BLUNT END		ITEM NO. PE3MP2456	
TOLERANCES: .X = ± .2 [.5] FRACTIONS .XX = ± .02 [.5] ANGLES ± 1° .XXX = ± .005 [.13] 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		SIZE A		CAGE CODE 53919		DRAWN BY DMAY	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.		DATE 10/1/2019		REV 1		ITEM NO. PE3MP2456		REVISION 1	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[PE3MP2456-60](#)