

## SMB Plug to Trimmed Lead Cable Using RG178 Coax

### PE3C4156

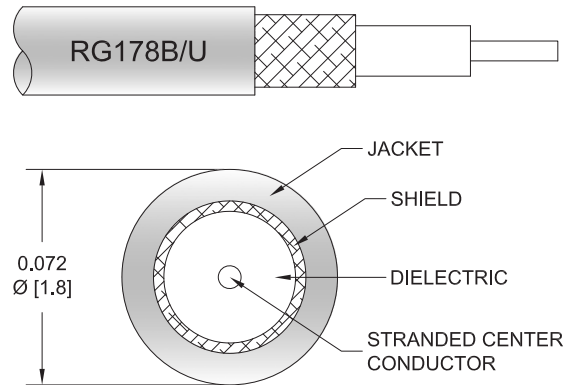


#### Configuration

- Connector 1: SMB Plug
- Connector 2: Trimmed Lead
- Cable Type: RG178
- Coax Flex Type: Flexible

#### Features

- 70% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C4156 50 ohm SMB plug to trimmed lead 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.

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		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

#### Mechanical Specifications

##### Cable Assembly

Weight 0.018 lbs [8.16 g]

##### Cable

Cable Type	RG178
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

SMB Plug to Trimmed Lead Cable Using RG178 Coax



PE3C4156

Jacket Diameter	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMB Plug	Trimmed Lead
Specification	MIL-STD-348A	
Impedance	50 Ohms	0 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold	
Contact Plating Specification	30 µin minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	
Body Plating Specification	100 µin minimum	

Environmental Specifications

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

Plotted and Other Data

Notes:

## SMB Plug to Trimmed Lead Cable Using RG178 Coax



### PE3C4156

#### Typical Performance Data

#### How to Order

Part Number Configuration: **PE3C4156 - xx uu**

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

Example: PE3C4156-12 = 12 inches long cable  
PE3C4156-100cm = 100 cm long cable

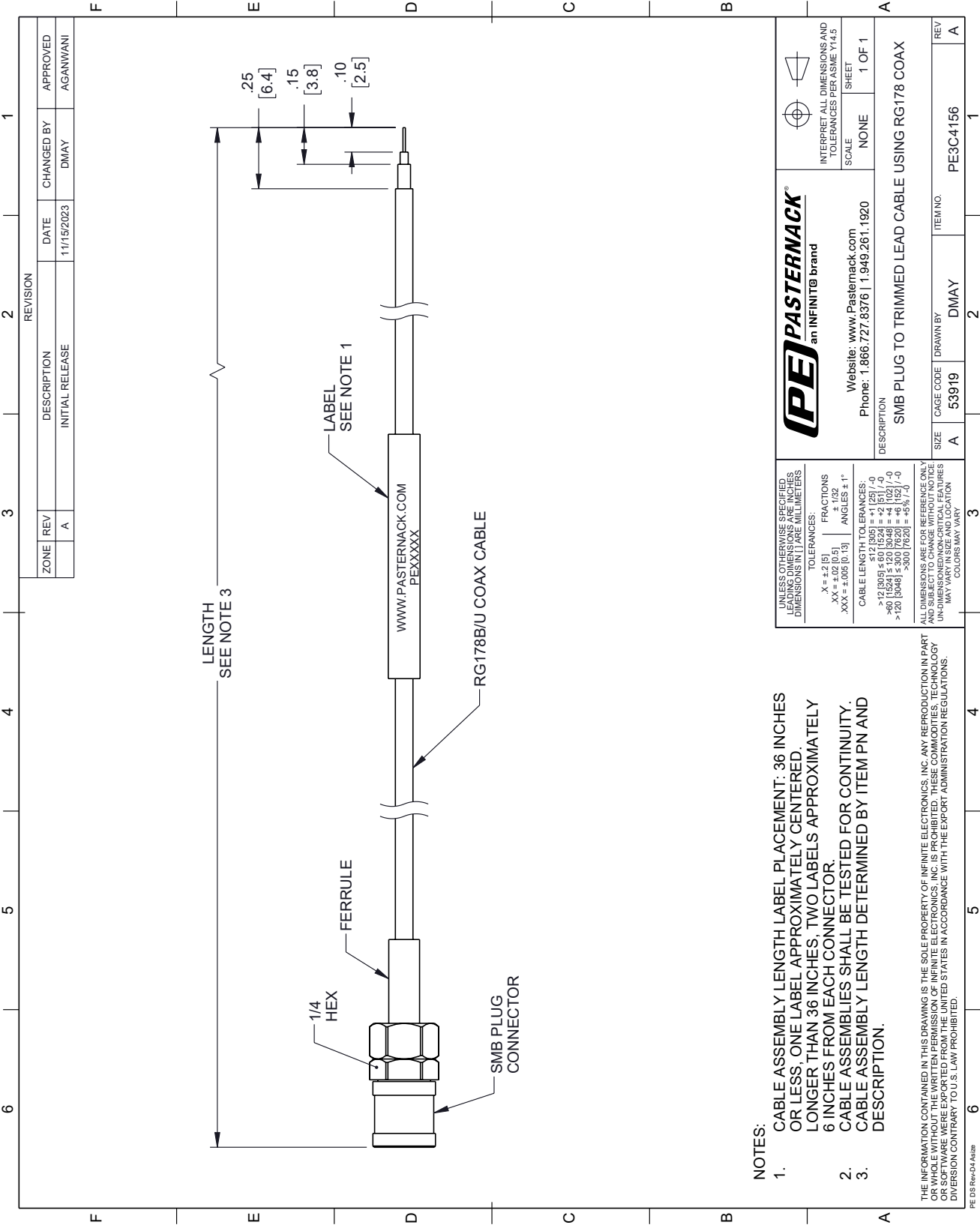
SMB Plug to Trimmed Lead Cable Using RG178 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug to Trimmed Lead Cable Using RG178 Coax PE3C4156](https://www.pasternack.com/smb-plug-to-trimmed-lead-cable-using-rg178-pe3c4156-p.aspx)

URL: <https://www.pasternack.com/smb-plug-to-trimmed-lead-cable-using-rg178-pe3c4156-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.


PE3C4156 CAD Drawing
SMB Plug to Trimmed Lead Cable Using RG178 Coax



- 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.
- 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.		TOLERANCES:		FRACTIONS					
.XX = ±.02 [0.5]		.XXX = ±.005 [0.13]		± 1/32					
X = ±.2 [5]		XX = ±.02 [0.5]		XXX = ±.005 [0.13]					
CABLE LENGTH TOLERANCES:		ANGLES ± 1°		± 1/32					
>12 [305] ≤ 60 [1524] = ±.125 [-0]		± 1/32		± 1/32					
>60 [1524] ≤ 120 [3048] = ±.125 [-0]		± 1/32		± 1/32					
>120 [3048] ≤ 300 [7620] = ±.5% [-0]		± 1/32		± 1/32					
>300 [7620] = ±.5% [-0]		± 1/32		± 1/32					
ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. CLOUDS MAY VARY.									
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE, OR THE USE OF ANY INFORMATION HEREIN FOR ANY PURPOSES WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.									

			
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5			

		PASTERNAK®	
		an INFINITO® brand	

Website: <a href="http://www.PasternaK.com">www.PasternaK.com</a>		Phone: 1.866.727.8376   1.949.261.1920	
DESCRIPTION			
SMB PLUG TO TRIMMED LEAD CABLE USING RG178 COAX			

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	DMAY	PE3C4156	A