



SMA Male to SMA Female Cable Using PE-P141 Coax

TECHNICAL DATA SHEET

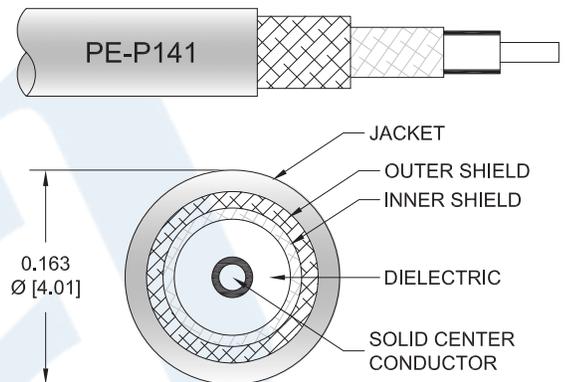
PE3C1633

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Female
- Cable Type: PE-P141
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 110 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C1633 SMA male to SMA female cable using PE-P141 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 SMA to SMA cable assembly has a male to female gender configuration with 50 ohm flexible PE-P141 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 110 dB.

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 | | % |
| RF Shielding | 110 | | | dB |
| Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

Mechanical Specifications

Cable Assembly

Weight 0.06 lbs [27.22 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Female Cable Using PE-P141 Coax PE3C1633](#)



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Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | PE-P141 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 2 |
| Shield Layer 1 | Silver Plated Copper Tape |
| Shield Layer 2 | Silver Plated Copper Braid |
| Jacket Material | FEP, Blue |
| Jacket Diameter | 0.163 in [4.14 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------|----------------------------|----------------------------|
| Type | SMA Male Threaded | SMA Female Threaded |
| Impedance | 50 Ohms | 50 Ohms |
| Body Material and Plating | Passivated Stainless Steel | Passivated Stainless Steel |

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Female Cable Using PE-P141 Coax PE3C1633](#)



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TECHNICAL DATA SHEET

PE3C1633

How to Order

Part Number Configuration:

PE3C1633

- **xx**

uu

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

Example: PE3C1633-12 = 12 inches long cable
PE3C1633-100cm = 100 cm long cable

SMA Male to SMA Female Cable Using PE-P141 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: [SMA Male to SMA Female Cable Using PE-P141 Coax PE3C1633](#)

URL: <https://www.pasternack.com/sma-male-to-sma-female-cable-using-pe-p141-pe3c1633-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.

PE3C1633 CAD Drawing

SMA Male to SMA Female Cable Using PE-P141 Coax

F E D C B A

1

2

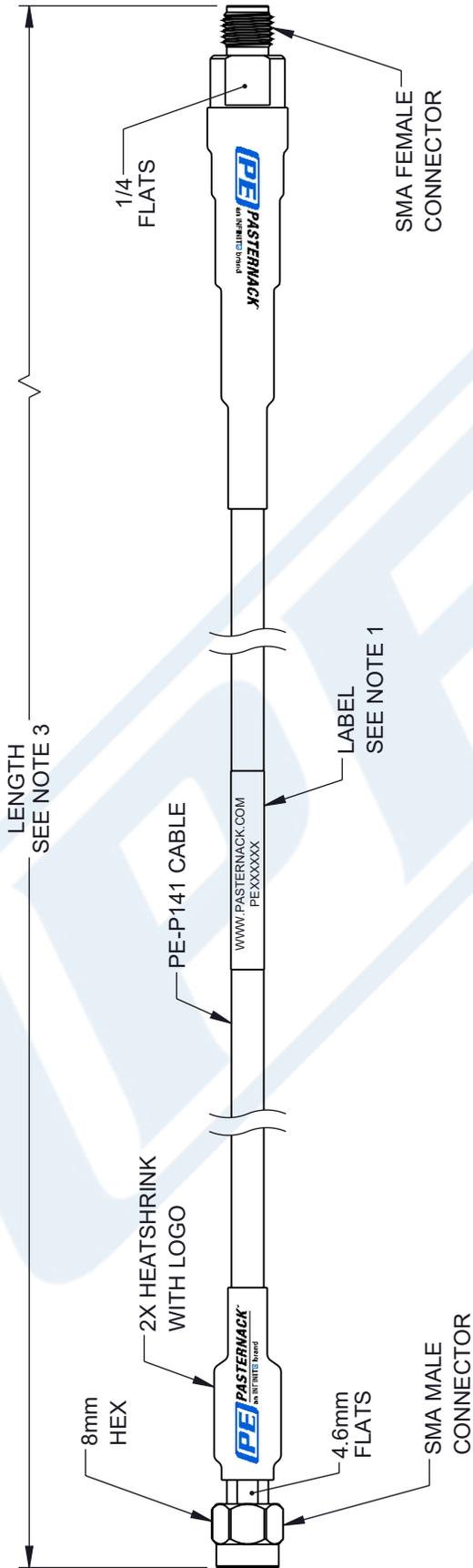
3

4

5

6

| ZONE | REV. | DESCRIPTION | DATE | CHANGED BY | APPROVED BY |
|------|------|-----------------|------------|------------|-------------|
| | A | INITIAL RELEASE | 11/16/2023 | BPUCHASKI | AGANWANI |



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

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| | | |
|--|---|------------------------------------|
| <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS</p> | TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13] | FRACTIONS ± 1/32 ANGLES ± 1° |
| | CABLE LENGTH TOLERANCES: ≤ 12 [305] = ±.125 [-0 ≤ 17 [430] = ±.125 [-0 ≤ 20 [508] = ±.125 [-0 ≤ 30 [762] = ±.125 [-0 ≤ 60 [1524] = ±.125 [-0 ≤ 120 [3048] = ±.125 [-0 ≤ 300 [7620] = ±.125 [-0 > 300 [7620] = ±.125 [-0 | |
| | ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS OTHERWISE SPECIFIED UNDIMENSIONED CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY | |



Website: www.Pasternack.com
 Phone: 1.866.727.8376 | 1.949.261.1920

SMA MALE TO SMA FEMALE CABLE USING PE-P141 COAX

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| INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1 |
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| | | |
|---|-----------|----------|
| DESCRIPTION | ITEM NO. | REV |
| SMA MALE TO SMA FEMALE CABLE USING PE-P141 COAX | 53919 | A |
| DRAWN BY | BPUCHASKI | PE3C1633 |

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