



3.5mm Female to Straight Cut Lead Cable Using RG402 Coax

RF Cable Assemblies Technical Data Sheet

PE3C7590

Configuration

- Connector 1: 3.5mm Female
- Connector 2: Straight Cut Lead
- Cable Type: RG402

Features

- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C7590 50 ohm 3.5mm female to straight cut lead cable using RG402 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern 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 | | 69.5 | | % |

Mechanical Specifications

Cable Assembly

Cable

| | |
|--------------------------------------|---------------------------|
| Cable Type | RG402 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Outer Conductor Material and Plating | Copper |
| Repeated Minimum Bend Radius | 0.25 in [6.35 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Female to Straight Cut Lead Cable Using RG402 Coax PE3C7590](#)



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Connectors

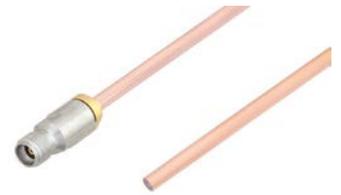
| Description | Connector 1 | Connector 2 |
|-------------------------------|------------------------------------|-------------------|
| Type | 3.5mm Female | Straight Cut Lead |
| Impedance | 50 Ohms | 0 Ohms |
| Contact Material and Plating | Beryllium Copper, Gold over Nickel | |
| Contact Plating Specification | 50 μ m minimum | |
| Dielectric Type | PCTFE | |
| Body Material and Plating | Passivated Stainless Steel | |
| Body Plating Specification | SAE-AMS-2700 | |

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3C7590

- **xx**

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C7590-12 = 12 inches long cable
PE3C7590-100cm = 100 cm long cable

3.5mm Female to Straight Cut Lead Cable Using RG402 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: [3.5mm Female to Straight Cut Lead Cable Using RG402 Coax PE3C7590](https://www.pasternack.com/3.5mm-female-straight-cut-sexless-rg402u-cable-assembly-pe3c7590-p.aspx)

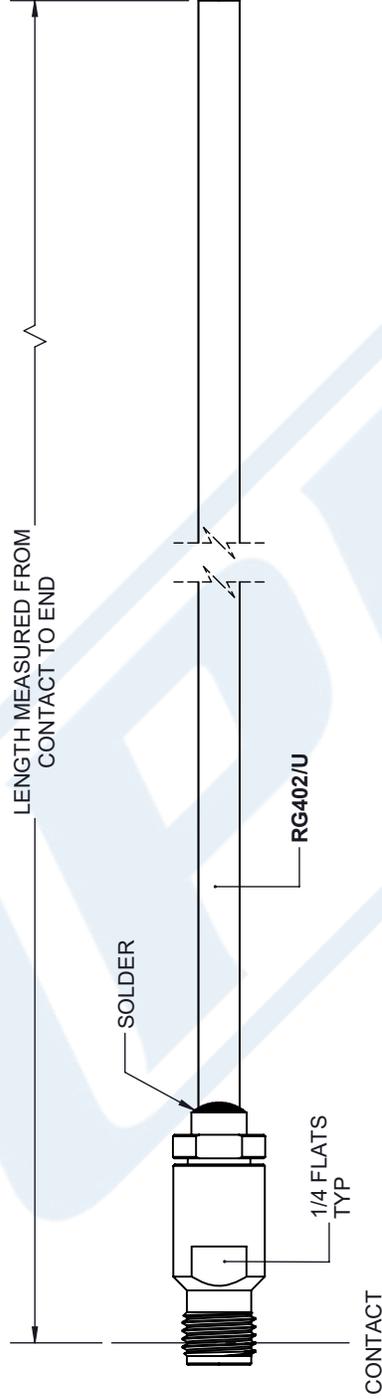
URL: <https://www.pasternack.com/3.5mm-female-straight-cut-sexless-rg402u-cable-assembly-pe3c7590-p.aspx>

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.

PE3C7590 CAD Drawing

3.5mm Female to Straight Cut Lead Cable Using RG402 Coax

| REVISIONS | | | |
|-----------|-----------------|------------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 10/21/2020 | S. ELLIS |



3.5mm FEMALE

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

TOLERANCES:

| | | | |
|--------------|--------|-------------|--------|
| .X = ±.2 | [.008] | FRACTIONS | |
| .XX = ±.02 | [.51] | | ± 1/32 |
| .XXX = ±.005 | [.13] | ANGLES ± 1° | |

CABLE LENGTH (L), TOLERANCES:

| | | |
|----------------------|--------|-----------------|
| L ≤ 12 | [305] | = +1 [25] / -0 |
| 12 [305] < L ≤ 60 | [1524] | = +2 [51] / -0 |
| 60 [1524] < L ≤ 120 | [3048] | = +4 [102] / -0 |
| 120 [3048] < L ≤ 300 | [7620] | = +6 [152] / -0 |
| 300 [7620] < L | | = +5%L / -0 |

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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| | | | |
|------|-----------|----------|----------|
| SIZE | CAGE CODE | DRAWN BY | ITEM NO. |
| A | 53919 | K.DANG | PE3C7590 |

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

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|-----|---|
| REV | A |
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