



## UHF Male to UHF Male Cable Using RG8 Coax

### RF Cable Assemblies Technical Data Sheet

PE3623

#### Configuration

- Connector 1: UHF Male
- Connector 2: UHF Male
- Cable Type: RG8

#### Features

- Max Frequency 300 MHz
- 66% Phase Velocity
- PVC (NC) Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3623 UHF male to UHF male cable using RG8 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 UHF to UHF cable assembly has a male to male gender configuration with 50 ohm flexible RG8 coax. The PE3623 UHF male to UHF male cable assembly operates to 300 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      |               | 300     | MHz          |
| VSWR                    |         |               | 1.4:1   |              |
| Velocity of Propagation |         | 66            |         | %            |
| Capacitance             |         | 30.8 [101.05] |         | pF/ft [pF/m] |

#### Specifications by Frequency

| Description           | F1   | F2   | F3   | F4   | F5 | Units |
|-----------------------|------|------|------|------|----|-------|
| Frequency             | 50   | 100  | 250  | 300  |    | MHz   |
| Insertion Loss (Typ.) | 0.13 | 0.17 | 0.29 | 0.33 |    | dB/ft |
|                       | 0.43 | 0.56 | 0.95 | 1.08 |    |       |

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: [UHF Male to UHF Male Cable Using RG8 Coax PE3623](#)



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Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.198 lbs [89.81 g]

##### Cable

Cable Type RG8  
 Impedance 50 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper  
 Dielectric Type PE (LD)  
 Number of Shields 1  
 Shield Layer 1 Copper Braid  
 Jacket Material PVC (NC), Black  
 Jacket Diameter 0.405 in [10.29 mm]

#### Connectors

| Description                        | Connector 1      | Connector 2      |
|------------------------------------|------------------|------------------|
| Type                               | UHF Male         | UHF Male         |
| Impedance                          | 50 Ohms          | 50 Ohms          |
| Contact Material and Plating       | Brass, Gold      | Brass, Gold      |
| Contact Plating Specification      | 30µ in. minimum  | 30µ in. minimum  |
| Dielectric Type                    | Teflon           | Teflon           |
| Body Material and Plating          | Brass, Nickel    | Brass, Nickel    |
| Body Plating Specification         | 100µ in. minimum | 100µ in. minimum |
| Coupling Nut Material and Plating  | Brass, Nickel    | Brass, Nickel    |
| Coupling Nut Plating Specification | 100µ in. minimum | 100µ in. minimum |

**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: [UHF Male to UHF Male Cable Using RG8 Coax PE3623](#)



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PE3623

#### How to Order

Part Number Configuration:

PE3623

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3623-12 = 12 inches long cable  
PE3623-100cm = 100 cm long cable

UHF Male to UHF Male Cable Using RG8 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: [UHF Male to UHF Male Cable Using RG8 Coax PE3623](https://www.pasternack.com/uhf-male-uhf-male-rg8au-cable-assembly-pe3623-p.aspx)

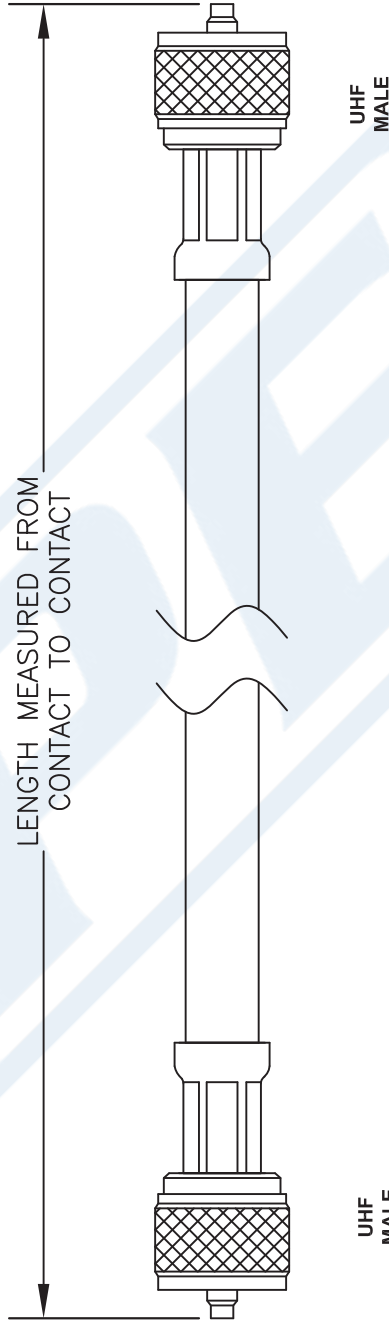
URL: <https://www.pasternack.com/uhf-male-uhf-male-rg8au-cable-assembly-pe3623-p.aspx>

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.

# PE3623 CAD Drawing

## UHF Male to UHF Male Cable Using RG8 Coax

| Standard Lengths |                         |
|------------------|-------------------------|
| -12              | 12"                     |
| -24              | 24"                     |
| -36              | 36"                     |
| -48              | 48"                     |
| -60              | 60"                     |
| -XXX             | Custom Length in Inches |



DWG TITLE

**PE3623-XX**

- NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
  2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
  3. DIMENSIONS ARE IN INCHES (mm).
  4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

REV. -

FSCM NO. 53919

CAD FILE 030607

SCALE N/A

SIZE A

127

**PE PASTERNAK®**  
 Pasternack Enterprises, Inc.  
 P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** www.pasternack.com | **E-Mail:** sales@pasternack.com