



# UHF Male to UHF Male Cable 48 Inch Length Using RG8 Coax

## **RF Cable Assemblies Technical Data Sheet**

PE3623-48

# Configuration

Connector 1: UHF MaleConnector 2: UHF MaleCable Type: RG8

#### **Features**

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

## **Applications**

General Purpose

· Laboratory Use

## **Description**

Pasternack's PE3623-48 UHF male to UHF male 48 inch 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 PE3623-48 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] |
|                         |         |               |         |              |

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 48 Inch Length Using RG8 Coax PE3623-48

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451





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#### **Specifications by Frequency**

| Description           | F1    | F2     | F3     | F4     | F5     | Units |
|-----------------------|-------|--------|--------|--------|--------|-------|
| Frequency             | 50    | 100    | 250    | 500    | 1,000  | MHz   |
| Insertion Loss (Typ.) | 0.252 | 0.268  | 0.316  | 0.396  | 0.52   | dB    |
| VSWR (Max.)           | 1.4:1 | 1.4:1  | 1.4:1  | 1.4:1  | 1.4:1  |       |
| Return Loss (Max.)    | 15.56 | 15.563 | 15.563 | 15.563 | 15.563 | dB    |

RG8

## **Mechanical Specifications**

**Cable Assembly** 

Length\* 48 in [121.92 cm]
Diameter 0.71 in [18.03 mm]

Weight 0.544 lbs [246.75 g]

Cable

Cable Type

Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper

Inner Conductor Material and Plating Copper
Dielectric Type PE (LD)

Dielectric Type PE (LD)
Number of Shields 1
Shield Layer 1 Copper Braid

Jacket MaterialPVC (NC), BlackJacket Diameter0.405 in [10.29 mm]

#### Connectors

| Description                        | Connector 1      | Connector 2      |  |  |
|------------------------------------|------------------|------------------|--|--|
| Туре                               | 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 |  |  |
|                                    |                  |                  |  |  |

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Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Compliance Certifications (see product page for current document)

#### **Plotted and Other Data**

Notes:

Values at 25°C, sea level.

#### **How to Order**

Example: PE3623-12 = 12 inches long cable

PE3623-100cm = 100 cm long cable

UHF Male to UHF Male Cable 48 Inch Length 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.

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URL: https://www.pasternack.com/uhf-male-uhf-male-rg8au-cable-assembly-pe3623-48-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.

PE3623-48 CAD Drawing
UHF Male to UHF Male Cable 48 Inch Length Using RG8 Coax

