



## N Male to Mini UHF Male Cable 48 Inch Length Using RG303 Coax

### RF Cable Assemblies Technical Data Sheet

PE3W04230-48

#### Configuration

- Connector 1: N Male
- Connector 2: Mini UHF Male
- Cable Type: RG303

#### Features

- Max Frequency 400 MHz
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W04230-48 type N male to Mini UHF male 48 inch cable using RG303 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 type N to Mini UHF cable assembly has a male to male gender configuration with 50 ohm flexible RG303 coax. The PE3W04230-48 type N male to Mini UHF male cable assembly operates to 400 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		400	MHz
VSWR			1.5:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Insertion Loss (Max.)	0.54					dB

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector loss.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to Mini UHF Male Cable 48 Inch Length Using RG303 Coax PE3W04230-48](#)



N Male to Mini UHF Male Cable 48 Inch Length Using RG303 Coax

RF Cable Assemblies Technical Data Sheet

PE3W04230-48

**Mechanical Specifications**

**Cable Assembly**

Length\* 48 in [121.92 cm]  
 Diameter 0.81 in [20.57 mm]

**Cable**

Cable Type RG303  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 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  
 Jacket Diameter 0.17 in [4.32 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	N Male	Mini UHF Male
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	ASTM B488	30 µin minimum
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size	13/16 Inch	

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

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to Mini UHF Male Cable 48 Inch Length Using RG303 Coax PE3W04230-48](#)



N Male to Mini UHF Male Cable 48 Inch Length Using RG303 Coax

RF Cable Assemblies Technical Data Sheet

PE3W04230-48

**How to Order**

Part Number Configuration:

**PE3W04230**

- **xx**

**uu**

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

Example: PE3W04230-12 = 12 inches long cable  
 PE3W04230-100cm = 100 cm long cable

N Male to Mini UHF Male Cable 48 Inch Length Using RG303 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: [N Male to Mini UHF Male Cable 48 Inch Length Using RG303 Coax PE3W04230-48](https://www.pasternack.com/n-male-mini-uhf-male-rg303u-cable-assembly-pe3w04230-48-p.aspx)

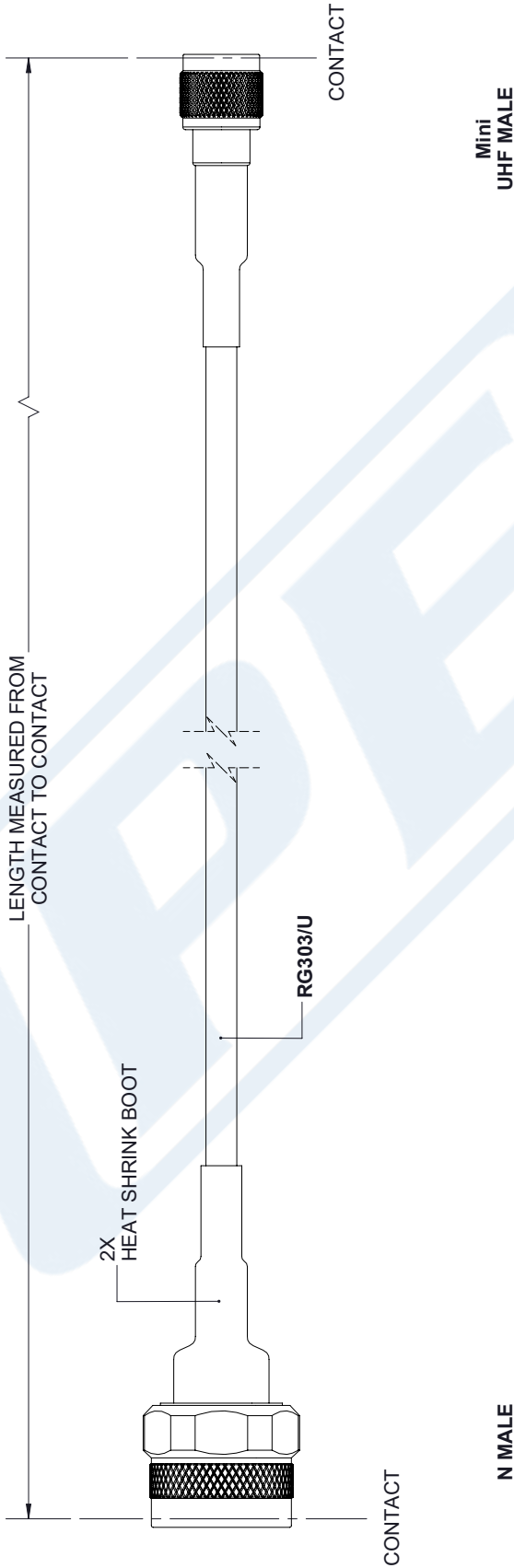
URL: <https://www.pasternack.com/n-male-mini-uhf-male-rg303u-cable-assembly-pe3w04230-48-p.aspx>

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.

# PE3W04230-48 CAD Drawing

N Male to Mini UHF Male Cable 48 Inch Length Using RG303 Coax

REVISIONS		
REV.	DESCRIPTION	DATE
B	PCR PE3W04230	4/19/2021
		APPROVED
		S. ELLIS



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

**TOLERANCES:**

.X = ±.2	[.08]	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.

**THIRD-ANGLE PROJECTION**

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

**Pasternack Enterprises, Inc.**  
 P. O. Box 16759, Irvine, CA 92623.  
 Phone: 1.949.261.1920 | 1.866.727.8376  
 Fax: 1.949.261.7451  
 Website: www.pasternack.com  
 E-mail: sales@pasternack.com

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	K. DANG	PE3W04230
REV			A

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.