



N Male to Mini UHF Male Cable 100 cm
Length Using RG303 Coax

RF Cable Assemblies Technical Data Sheet

PE3W04230-100CM

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 PE3W04230-100CM type N male to Mini UHF male 100 cm 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 PE3W04230-100CM 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.)	0.48					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 100 cm Length Using RG303 Coax PE3W04230-100CM](#)



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Mechanical Specifications

Cable Assembly

Length* 39.37 in [100 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:

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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 100 cm 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 100 cm Length Using RG303 Coax PE3W04230-100CM](https://www.pasternack.com/n-male-mini-uhf-male-rg303u-cable-assembly-pe3w04230-100cm-p.aspx)

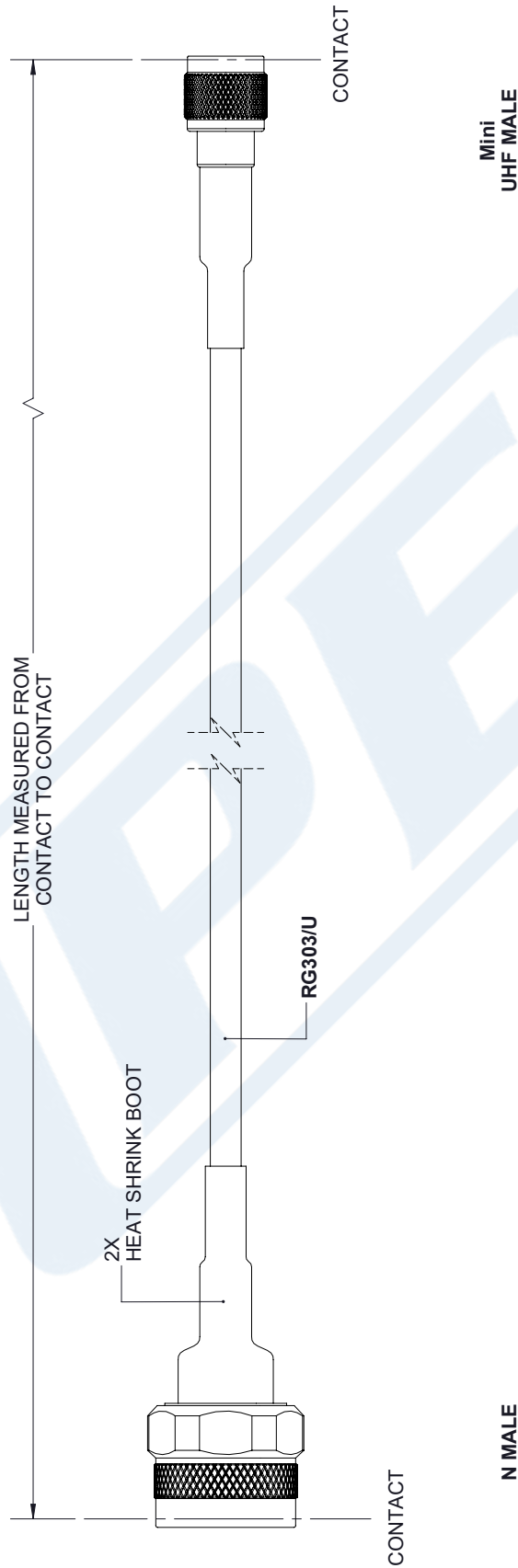
URL: <https://www.pasternack.com/n-male-mini-uhf-male-rg303u-cable-assembly-pe3w04230-100cm-p.aspx>

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.

PE3W04230-100CM CAD Drawing

N Male to Mini UHF Male Cable 100 cm Length Using RG303 Coax

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



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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: <table border="0"> <tr> <td>.X = ± .2</td> <td>[.08]</td> <td>FRACTIONS</td> </tr> <tr> <td>.XX = ± .02</td> <td>[.51]</td> <td>± 1/32</td> </tr> <tr> <td>.XXX = ± .005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> </tr> </table> CABLE LENGTH (L) TOLERANCES: <table border="0"> <tr> <td>L ≤ 12 [305]</td> <td>± .1 [25]</td> <td>/ -0</td> </tr> <tr> <td>12 [305] < L ≤ 60 [1524]</td> <td>± .2 [51]</td> <td>/ -0</td> </tr> <tr> <td>60 [1524] < L ≤ 120 [3048]</td> <td>± .4 [102]</td> <td>/ -0</td> </tr> <tr> <td>120 [3048] < L ≤ 300 [7620]</td> <td>± .6 [152]</td> <td>/ -0</td> </tr> <tr> <td>300 [7620] < L</td> <td>± .5% L</td> <td>/ -0</td> </tr> </table> ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		.X = ± .2	[.08]	FRACTIONS	.XX = ± .02	[.51]	± 1/32	.XXX = ± .005	[.13]	ANGLES ± 1°	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	SCALE N/A	
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