



N Male to N Male Cable 48 Inch Length Using RG141 Coax

RF Cable Assemblies Technical Data Sheet

PE36589-48

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG141

Features

- Max Frequency 10 GHz
- PTFE (FG) Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE36589-48 type N male to type N male 48 inch cable using RG141 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 type N cable assembly has a male to male gender configuration with 50 ohm flexible RG141 coax. The PE36589-48 type N male to type N male cable assembly operates to 10 GHz.

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		10	GHz
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			700	Vrms
Jacket Spark			2,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	10	GHz
Insertion Loss (Typ.)	0.518	0.72	1.065	1.64	2.68	dB

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 N Male Cable 48 Inch Length Using RG141 Coax PE36589-48](#)



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Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.17 lbs [77.11 g]

Cable

Cable Type	RG141
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
Jacket Material	PTFE (FG), Beige
Jacket Diameter	0.19 in [4.83 mm]

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Silver	Brass, Silver
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel

Mechanical Specification Notes:

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

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE36589

- xx

uu

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

Example: PE36589-12 = 12 inches long cable
PE36589-100cm = 100 cm long cable

N Male to N Male Cable 48 Inch Length Using RG141 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 N Male Cable 48 Inch Length Using RG141 Coax PE36589-48](#)

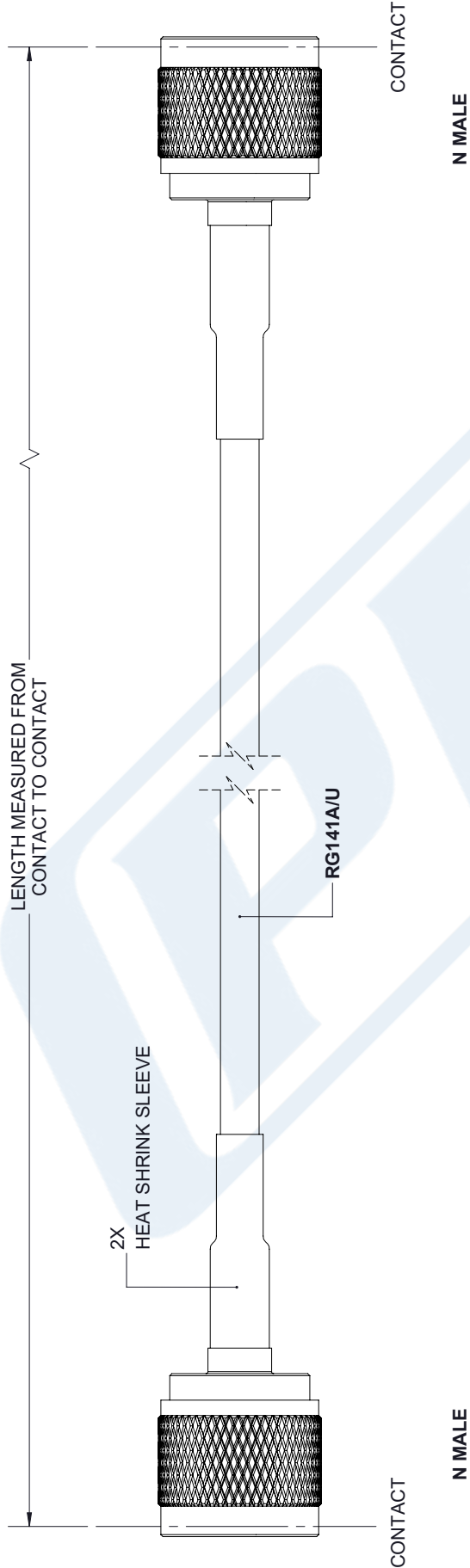
URL: <https://www.pasternack.com/n-male-n-male-rg141au-cable-assembly-pe36589-48-p.aspx>

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.

PE36589-48 CAD Drawing

N Male to N Male Cable 48 Inch Length Using RG141 Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/23/19	S. ELLIS



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table style="font-size: small;"> <tr> <td>X±.2</td> <td>[5.08]</td> <td>FRACTIONS</td> </tr> <tr> <td>.XX±.01</td> <td>[.25]</td> <td>±.132</td> </tr> <tr> <td>.XXX±.005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>THIRD-ANGLE PROJECTION</p>	X±.2	[5.08]	FRACTIONS	.XX±.01	[.25]	±.132	.XXX±.005	[.13]	ANGLES ± 1°	<p>PE PASTERNAK an INFINITO brand</p> <p>Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com</p>	<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p>
	X±.2	[5.08]	FRACTIONS								
.XX±.01	[.25]	±.132									
.XXX±.005	[.13]	ANGLES ± 1°									
<p>SIZE: A</p> <p>CAGE: 53919</p> <p>DRAWN BY: K.DANG</p> <p>PART NUMBER: PE36589</p>	<p>SHEET 1 OF 1</p> <p>SCALE: N/A</p>										

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