



N Male Right Angle to N Female Bulkhead Cable 48 Inch Length Using RG225 Coax

RF Cable Assemblies Technical Data Sheet

PE34221-48

Configuration

- Connector 1: N Male Right Angle
- Connector 2: N Female Bulkhead
- Cable Type: RG225

Features

- Max Frequency 400 MHz
- Double Shielded
- PTFE (FG) Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34221-48 type N male right angle to type N female bulkhead 48 inch cable using RG225 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 female gender configuration with 50 ohm flexible RG225 coax. The PE34221-48 type N male to type N female cable assembly operates to 400 MHz. The right angle type N interface on the RG225 cable allows for easier connections in tight spaces. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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
Capacitance		32.4 [106.3]		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: [N Male Right Angle to N Female Bulkhead Cable 48 Inch Length Using RG225 Coax PE34221-48](#)



N Male Right Angle to N Female Bulkhead Cable
48 Inch Length Using RG225 Coax

RF Cable Assemblies Technical Data Sheet

PE34221-48

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.225	0.25	0.325			dB

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.815 in [20.7 mm]
Weight	1.013 lbs [459.49 g]

Cable

Cable Type	RG225
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	PTFE (FG), Tan
Jacket Diameter	0.43 in [10.92 mm]

Connectors

Description	Connector 1	Connector 2
Type	N Male Right Angle	N Female Bulkhead
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification		30µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	

Mechanical Specification Notes:

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle to N Female Bulkhead Cable 48 Inch Length Using RG225 Coax PE34221-48](#)



N Male Right Angle to N Female Bulkhead Cable
48 Inch Length Using RG225 Coax

RF Cable Assemblies Technical Data Sheet

PE34221-48

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

PE34221 - xx uu

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

Example: PE34221-12 = 12 inches long cable
PE34221-100cm = 100 cm long cable

N Male Right Angle to N Female Bulkhead Cable 48 Inch Length Using RG225 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 Right Angle to N Female Bulkhead Cable 48 Inch Length Using RG225 Coax PE34221-48](#)

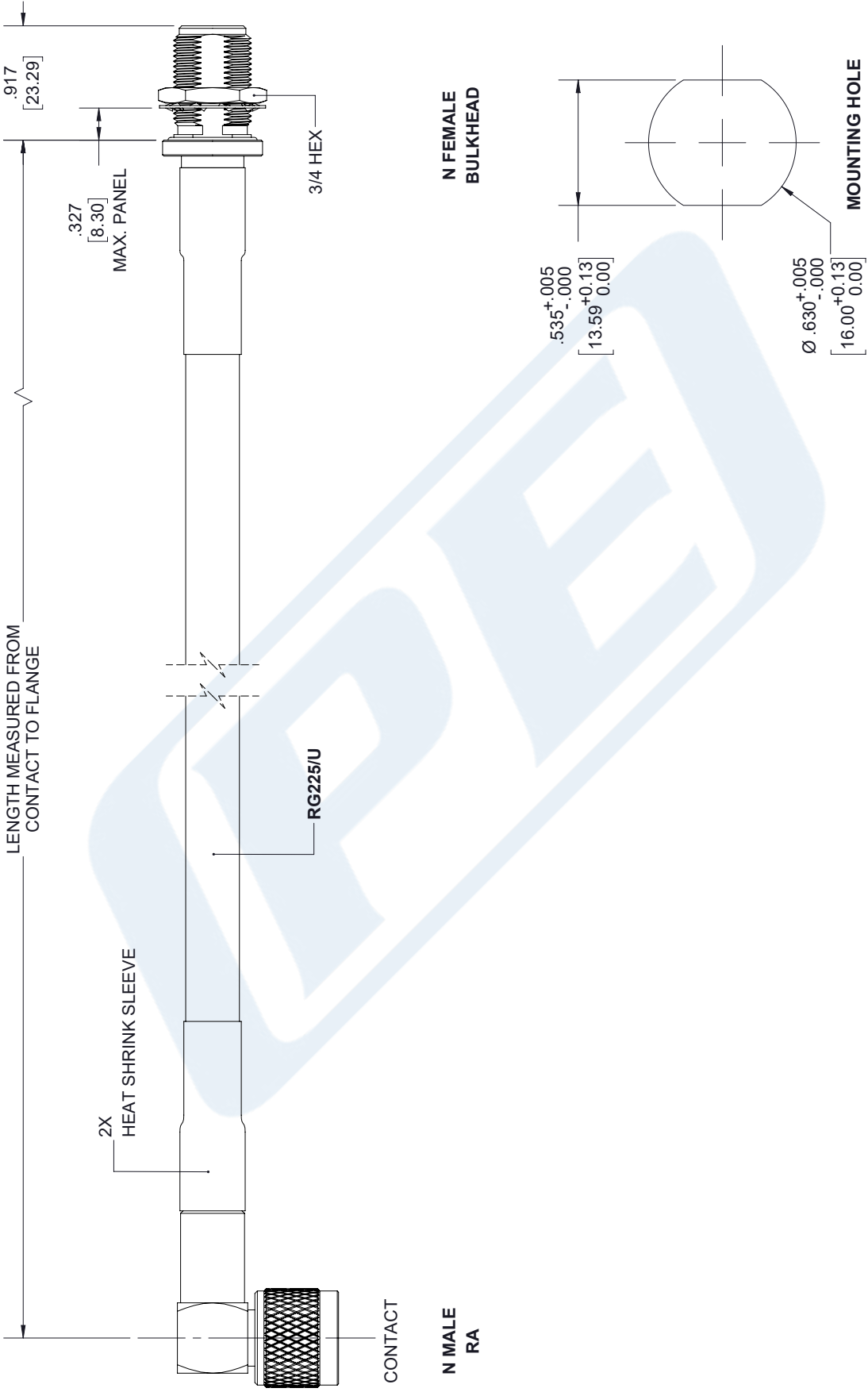
URL: <https://www.pasternack.com/n-male-n-female-rg225u-cable-assembly-pe34221-48-p.aspx>

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.

PE34221-48 CAD Drawing

N Male Right Angle to N Female Bulkhead Cable 48 Inch Length Using RG225 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 border="0"> <tr> <td>X±.2</td> <td>[5.08]</td> <td>FRACTIONS</td> <td>±.132</td> </tr> <tr> <td>.XX±.01</td> <td>[.25]</td> <td>ANGLES ± 1°</td> <td></td> </tr> <tr> <td>.XXX±.005</td> <td>[.13]</td> <td>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</td> <td></td> </tr> </table> <p>THIRD-ANGLE PROJECTION</p>	X±.2	[5.08]	FRACTIONS	±.132	.XX±.01	[.25]	ANGLES ± 1°		.XXX±.005	[.13]	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p> <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>	SHEET 1 OF 1
	X±.2	[5.08]	FRACTIONS	±.132										
.XX±.01	[.25]	ANGLES ± 1°												
.XXX±.005	[.13]	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.												
SCALE N/A														
<p>SIZE A</p> <p>CAGE DRAWN BY K.DANG</p> <p>PART NUMBER PE34221</p>	<p>REV A</p>													

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.