N Male to N Male Cable 72 Inch Length Using RG58 Coax

RF Cable Assemblies Technical Data Sheet   PE3441-72

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG58

Features

- Max Frequency 5 GHz
- Shielding Effectivity > 45 dB
- 65.9% Phase Velocity
- PVC (NC) Jacket

0.195 Ø [5.0]

JACKET
SHIELD
DIELECTRIC
STRANDED CENTER CONDUCTOR
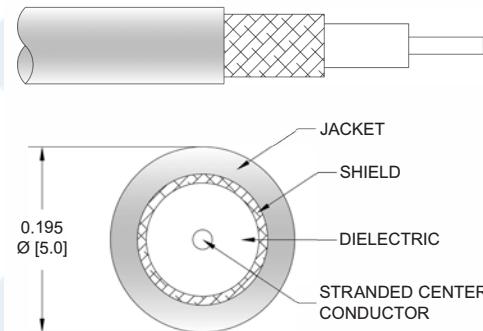
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3441-72 type N male to type N male 72 inch cable using RG58 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 RG58 coax. The PE3441-72 type N male to type N male cable assembly operates to 5 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.

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 72 Inch Length Using RG58 Coax PE3441-72

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

Sales@Pasternack.com • Techsupport@Pasternack.com

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5	GHz
Velocity of Propagation		65.9		%
RF Shielding	45			dB
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5	GHz
Insertion Loss (Typ.)	0.74	0.919	1.315	2.276	3.812	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax cable used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly
Length*   72 in [182.88 cm]
Weight   0.302 lbs [136.98 g]

Cable
Cable Type   RG58
Impedance   50 Ohms
Inner Conductor Type   Stranded
Inner Conductor Material and Plating   Copper, Tin
Dielectric Type   PE
Number of Shields   1
Shield Layer 1   Tinned Copper Braid
Jacket Material   PVC (NC), Black
Jacket Diameter   0.195 in [4.95 mm]

One Time Minimum Bend Radius   2 in [50.8 mm]

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Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Specification	MIL-STD-348	
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

Environmental Specifications
Temperature
Operating Range   -40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:
• Values at 25°C, sea level.

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PE3441-72 REV 1.1

N Male to N Male Cable 72 Inch Length Using RG58 Coax

RF Cable Assemblies Technical Data Sheet   PE3441-72

How to Order

Part Number Configuration: **PE3441**   - **xx**   **uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number
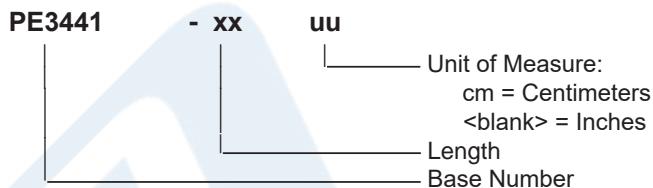
Example: PE3441-12 = 12 inches long cable
PE3441-100cm = 100 cm long cable

N Male to N Male Cable 72 Inch Length Using RG58 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 72 Inch Length Using RG58 Coax PE3441-72

URL: https://www.pasternack.com/n-male-n-male-rg58cu-cable-assembly-pe3441-72-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.

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PE3441-72 CAD Drawing
N Male to N Male Cable 72 Inch Length Using RG58 Coax

N MALE

N MALE

LENGTH MEASURED FROM CONTACT TO CONTACT

Standard Lengths	
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	Custom Length in Inches

127	SIZE A	SCALE N/A	CAD FILE 021308	

DWG TITLE

PE3441-XX

FSCM NO. **53919**

REV. A
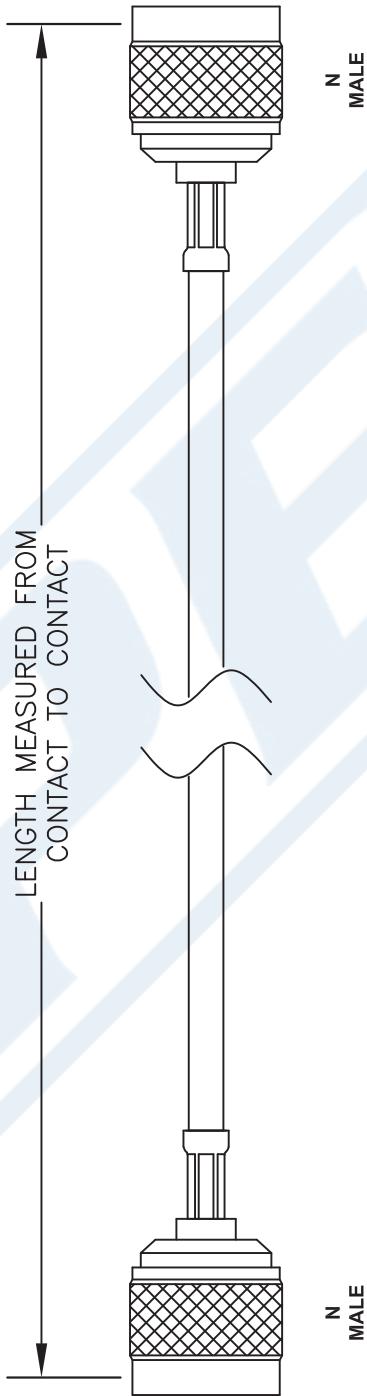
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