

## N Male to N Male Cable Using RG400 Coax



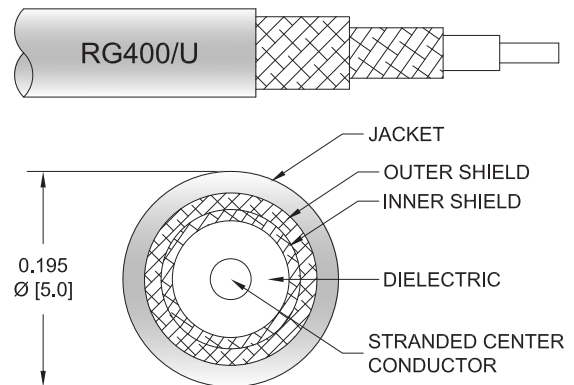
### PE3W06920

#### Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG400
- Coax Flex Type: Flexible

#### Features

- Max Frequency 11 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W06920 type N male to type N male cable using RG400 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 RG400 coax. The PE3W06920 type N male to type N male cable assembly operates to 11 GHz. 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		11	GHz
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

#### Specifications by Frequency

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### PE3W06920

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE3W06920	Custom Lengths Available	Insertion Loss (Typ.)	0.1	0.15	0.1	0.36	1.9	dB/ft	
			0.33	0.49	0.33	1.19	6.24	dB/m	
PE3W06920-6	6 inch	Insertion Loss (Typ.)	0.25	0.28	0.32	0.39	1.15	dB	0.162
PE3W06920-12	12 inch	Insertion Loss (Typ.)	0.3	0.35	0.44	0.57	2.1	dB	0.183
PE3W06920-24	24 inch	Insertion Loss (Typ.)	0.4	0.5	0.68	0.93	4	dB	0.225
PE3W06920-36	36 inch	Insertion Loss (Typ.)	0.5	0.65	0.92	1.29	5.9	dB	0.267
PE3W06920-72	72 inch	Insertion Loss (Typ.)	0.8	1.09	1.64	2.37	11.6	dB	0.393

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.183 pounds
Additional Weight per Inch:	0.0035 pounds

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.183 lbs [83.01 g]

#### Cable

Cable Type	RG400
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	FEP, Tan
Jacket Diameter	0.195 in [4.95 mm]
Repeated Minimum Bend Radius	1 in [25.4 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Silver	Brass, Gold
Contact Plating Specification	ASTM-B700	
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal
Body Plating Specification	ASTM-B689	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Tri-Metal
Coupling Nut Plating Specification	ASTM-B689	
Hex Size		18 mm
Torque		9 in-lbs 1.02 Nm

#### Environmental Specifications

Operating Range Temperature -55 to +165 deg C

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

#### Plotted and Other Data

Notes:

## N Male to N Male Cable Using RG400 Coax



### PE3W06920

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3W06920**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W06920-12 = 12 inches long cable  
PE3W06920-100cm = 100 cm long cable

N Male to N Male Cable Using RG400 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 Using RG400 Coax PE3W06920](#)

URL: <https://www.pasternack.com/n-male-to-n-male-cable-using-rg400-pe3w06920-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE3W06920 CAD Drawing

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