

## N Male to N Male Cable Using RG196 Coax



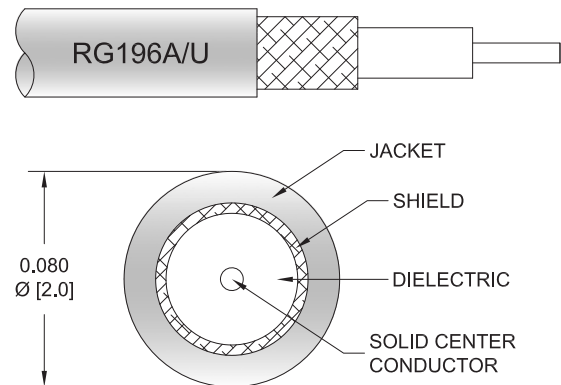
### PE3W06152

#### Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG196
- Coax Flex Type: Flexible

#### Features

- Max Frequency 1 GHz
- PTFE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W06152 type N male to type N male cable using RG196 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 RG196 coax. The PE3W06152 type N male to type N male cable assembly operates to 1 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		1	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			1,000	Vrms

#### Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency	50	100	250	500	1000	
PE3W06152	Custom Lengths Available	Insertion Loss (Typ.)	0.04	0.08	0.21	0.41	0.825	dB/ft	
			0.14	0.27	0.68	1.36	2.71	dB/m	
PE3W06152-12	12 inch	Insertion Loss (Typ.)	0.25	0.29	0.41	0.62	1.03	dB	0.147
PE3W06152-24	24 inch	Insertion Loss (Typ.)	0.29	0.37	0.62	1.03	1.85	dB	0.153
PE3W06152-36	36 inch	Insertion Loss (Typ.)	0.33	0.45	0.82	1.44	2.68	dB	0.158
PE3W06152-48	48 inch	Insertion Loss (Typ.)	0.37	0.53	1.03	1.85	3.5	dB	0.163
PE3W06152-72	72 inch	Insertion Loss (Typ.)	0.45	0.7	1.44	2.68	5.15	dB	0.173

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:	0.147 pounds
Additional Weight per Inch:	0.00042 pounds

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.147 lbs [66.68 g]

#### Cable

Cable Type	RG196
Impedance	50 Ohms
Inner Conductor Type	Stranded
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	PTFE, White
Jacket Diameter	0.08 in [2.03 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	ASTM-B488	ASTM-B488
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	ASTM-B689	ASTM-B689
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	ASTM-B689	ASTM-B689

#### Environmental Specifications

Operating Range Temperature -55 to +165 deg C

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

#### Plotted and Other Data

Notes:

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### PE3W06152

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3W06152**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W06152-12 = 12 inches long cable  
PE3W06152-100cm = 100 cm long cable

N Male to N Male Cable Using RG196 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 RG196 Coax PE3W06152](#)

URL: <https://www.pasternack.com/n-male-to-n-male-cable-using-rg196-pe3w06152-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.

# PE3W06152 CAD Drawing

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