

## N Male to BNC Male Cable Using RG400 Coax



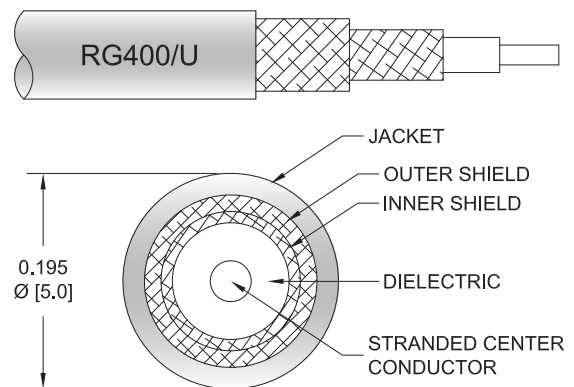
### PE3C1858

#### Configuration

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

#### Features

- Max Frequency 4 GHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C1858 type N male to BNC 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 BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG400 coax. The PE3C1858 type N male to BNC male cable assembly operates to 4 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		4	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		32 [104.99]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

#### Specifications by Frequency

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### PE3C1858

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency						
PE3C1858	Custom Lengths Available	Insertion Loss (Typ.)	0.02	0.06	0.1	0.15	0.364	dB/ft	
			0.08	0.19	0.33	0.49	1.2	dB/m	
PE3C1858-6	6 inch	Insertion Loss (Typ.)	0.22	0.23	0.25	0.28	0.39	dB	0.127
PE3C1858-12	12 inch	Insertion Loss (Typ.)	0.23	0.26	0.3	0.35	0.57	dB	0.148
PE3C1858-24	24 inch	Insertion Loss (Typ.)	0.25	0.32	0.4	0.5	0.93	dB	0.19
PE3C1858-36	36 inch	Insertion Loss (Typ.)	0.27	0.37	0.5	0.65	1.3	dB	0.232
PE3C1858-72	72 inch	Insertion Loss (Typ.)	0.34	0.54	0.8	1.09	2.39	dB	0.358

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:	0.148 pounds
Additional Weight per Inch:	0.0035 pounds

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.148 lbs [67.13 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]
One Time Minimum Bend Radius	1 in [25.4 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	N Male	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification		30μ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Tri-Metal	Brass, Nickel
Body Plating Specification		100μ in. minimum
Coupling Nut Material and Plating	Brass, Tri-Metal	
Hex Size	18 mm	
Torque	9 in-lbs 1.02 Nm	

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

Values at 25°C, sea level.

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### PE3C1858

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C1858**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C1858-12 = 12 inches long cable  
PE3C1858-100cm = 100 cm long cable

N Male to BNC 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 BNC Male Cable Using RG400 Coax PE3C1858](https://www.pasternack.com/n-male-to-bnc-male-cable-using-rg400-pe3c1858-p.aspx)

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# PE3C1858 CAD Drawing

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