

N Male to TNC Male Right Angle Cable Using RG400 Coax



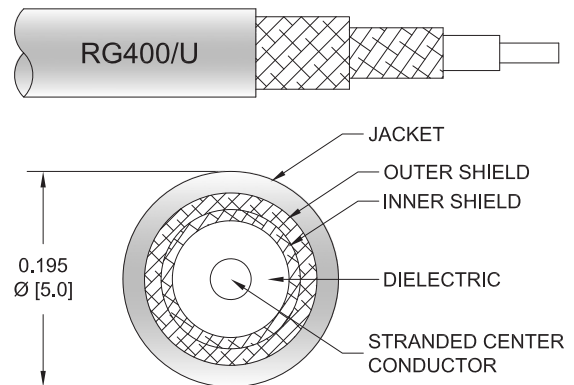
PE3701

Configuration

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

Features

- Max Frequency 3 GHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3701 type N male to TNC male right angle 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 TNC cable assembly has a male to male gender configuration with 50 ohm flexible RG400 coax. The PE3701 type N male to TNC male cable assembly operates to 3 GHz. The right angle TNC interface on the RG400 cable allows for easier connections in tight spaces. 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		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE3701	Custom Lengths Available	Insertion Loss (Typ.)	0.023	0.056	0.1	0.147	0.269	dB/ft	
			0.08	0.19	0.33	0.49	0.89	dB/m	
PE3701-6	6 inch	Insertion Loss (Typ.)	0.32	0.33	0.35	0.38	0.44	dB	0.156
PE3701-12	12 inch	Insertion Loss (Typ.)	0.33	0.36	0.4	0.45	0.57	dB	0.177
PE3701-24	24 inch	Insertion Loss (Typ.)	0.35	0.42	0.5	0.6	0.84	dB	0.219
PE3701-36	36 inch	Insertion Loss (Typ.)	0.37	0.47	0.6	0.75	1.11	dB	0.261
PE3701-72	72 inch	Insertion Loss (Typ.)	0.44	0.64	0.9	1.19	1.92	dB	0.387

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:	0.2 dB
Base Weight:	0.177 pounds
Additional Weight per Inch:	0.0035 pounds

Mechanical Specifications

Cable Assembly

Weight 0.177 lbs [80.29 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	TNC Male Right Angle
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Brass, Silver	Brass, Gold
Contact Plating Specification	ASTM-B700	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	ASTM-B689	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	ASTM-B689	100 µin minimum

Environmental Specifications

Operating Range Temperature -55 to +165 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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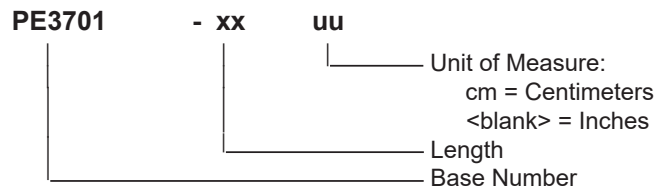


PE3701

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE3701-12 = 12 inches long cable
PE3701-100cm = 100 cm long cable

N Male to TNC Male Right Angle 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 TNC Male Right Angle Cable Using RG400 Coax PE3701](#)

URL: <https://www.pasternack.com/n-male-to-tnc-male-cable-using-rg400-pe3701-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.

PE3701 CAD Drawing

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