

## TNC Male to N Male Cable Using RG400 Coax with HeatShrink



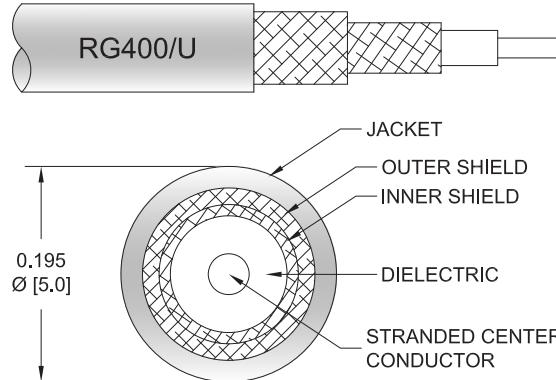
### PE3666/HS

#### Configuration

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

#### Features

- Max Frequency 6 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3666/HS TNC 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 TNC to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG400 coax. The PE3666/HS TNC male to type N male cable assembly operates to 6 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		6	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

#### Specifications by Frequency

## TNC Male to N Male Cable Using RG400 Coax with HeatShrink



### PE3666/HS

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	6000	MHz	
PE3666/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.056	0.1	0.147	0.239	0.397	dB/ft	
			0.19	0.33	0.49	0.79	1.31	dB/m	
PE3666/HS-6	6 inch	Insertion Loss (Typ.)	0.23	0.25	0.28	0.32	0.4	dB	0.127
PE3666/HS-12	12 inch	Insertion Loss (Typ.)	0.26	0.3	0.35	0.44	0.6	dB	0.148
PE3666/HS-24	24 inch	Insertion Loss (Typ.)	0.32	0.4	0.5	0.68	1	dB	0.19
PE3666/HS-36	36 inch	Insertion Loss (Typ.)	0.37	0.5	0.65	0.92	1.4	dB	0.232
PE3666/HS-72	72 inch	Insertion Loss (Typ.)	0.54	0.8	1.09	1.64	2.59	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

Weight 0.106 lbs [48.08 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]

## TNC Male to N Male Cable Using RG400 Coax with HeatShrink



### PE3666/HS

#### Connectors

Description	Connector 1	Connector 2
Type	TNC Male	N Male
Specification	MIL-STD-348A	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Silver
Contact Plating Specification	30 $\mu$ in minimum	ASTM-B700
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 $\mu$ in minimum	ASTM-B689
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 $\mu$ in minimum	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:

## TNC Male to N Male Cable Using RG400 Coax with HeatShrink

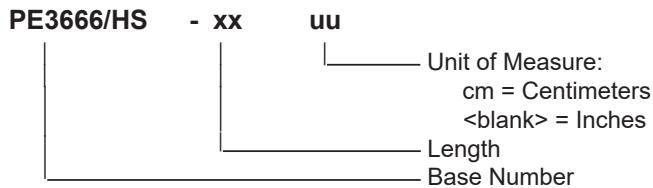


### PE3666/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3666/HS-12 = 12 inches long cable  
PE3666/HS-100cm = 100 cm long cable

TNC Male to N Male Cable Using RG400 Coax with HeatShrink 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: [TNC Male to N Male Cable Using RG400 Coax with HeatShrink PE3666/HS](#)

URL: <https://www.pasternack.com/tnc-male-to-n-male-cable-using-rg400-with-heatshrink-pe3666-hs-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.

# PE3666/HS CAD Drawing

## TNC Male to N Male Cable Using RG400 Coax with HeatShrink

