

TNC Male to N Male Cable Using RG400 Coax with HeatShrink

PE3666/HS

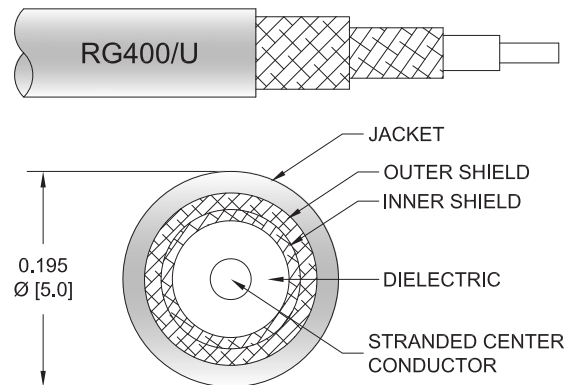


Configuration

- 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

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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]

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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 µin minimum	ASTM-B700
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	ASTM-B689
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin 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:

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PE3666/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3666/HS - xx uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

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

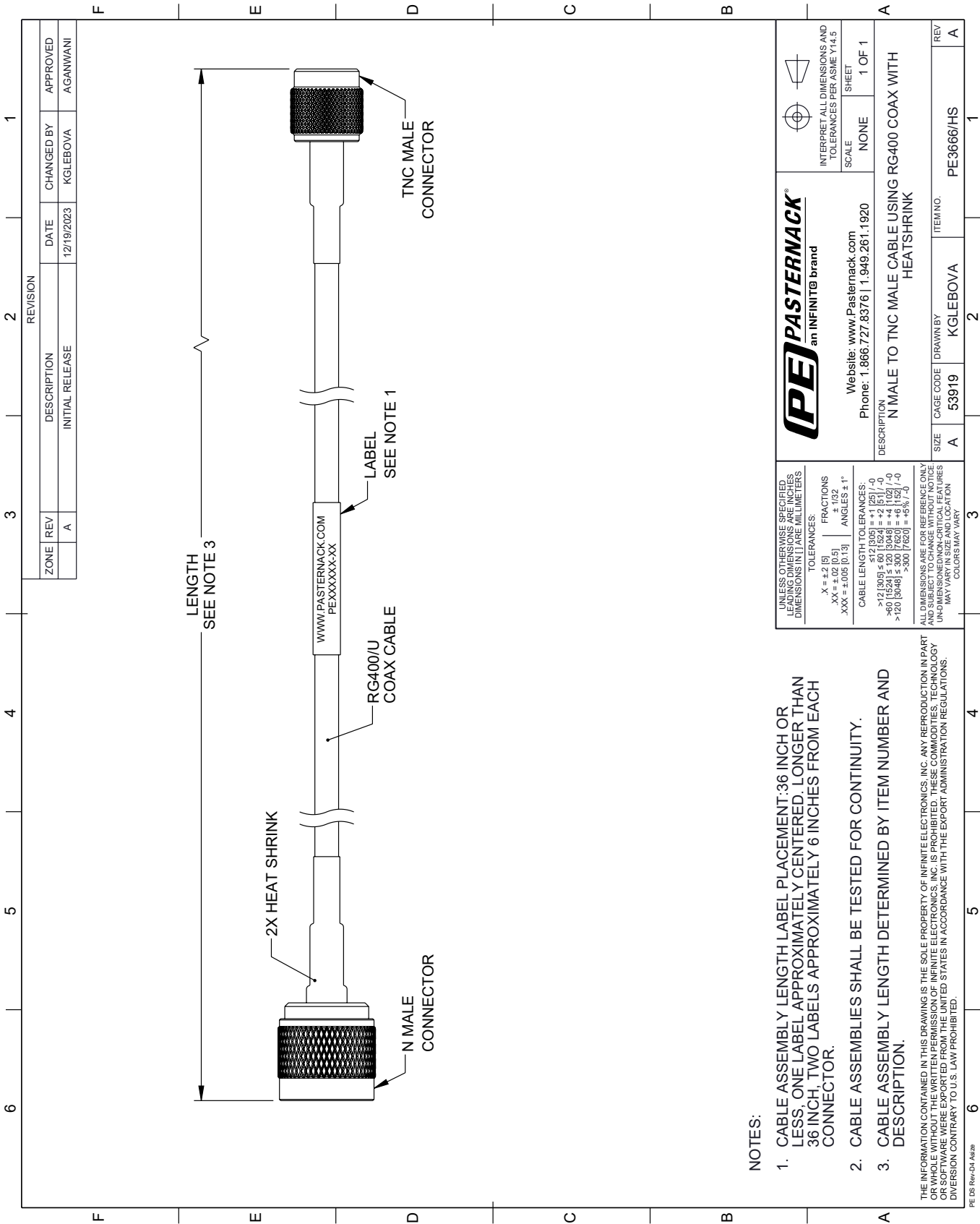
TNC Male to N Male Cable Using RG400 Coax with HeatShrink from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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>

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PE3666/HS CAD Drawing
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NOTES:

- 1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- 2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM NUMBER AND DESCRIPTION.

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UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.		TOLERANCES:		SCALE: NONE	
X = ±.2 [5]		FRACTIONS: ± 1/32		SHEET: 1 OF 1	
.XX = ±.02 [0.5]		ANGLES: ± 1°			
.XXX = ±.005 [0.13]					
CABLE LENGTH TOLERANCES:					
>12 [305] ≤ 60 [1524] = ±.125 [-0]					
>60 [1524] ≤ 120 [3048] = ±.125 [-0]					
>120 [3048] ≤ 300 [7620] = ±.125 [-0]					
>300 [7620] = ±.125 [-0]					
ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF INDIVIDUAL COMPONENTS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.					
DESCRIPTION N MALE TO TNC MALE CABLE USING RG400 COAX WITH HEATSHRINK		ITEM NO. PE3666/HS		REV A	
SIZE A		CAGE CODE 53919		DRAWN BY KGLEBOVA	