



## N Female Bulkhead to TNC Male Cable Using RG402 Coax

### RF Cable Assemblies Technical Data Sheet

**PE3C7354**

#### Configuration

- Connector 1: N Female Bulkhead
- Connector 2: TNC Male
- Cable Type: RG402

#### Features

- Max Frequency 6 GHz
- 69.5% Phase Velocity

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C7354 type N female bulkhead to TNC male cable using RG402 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack type N to TNC cable assembly has a female to male gender configuration with 50 ohm semi-rigid RG402 coax. The PE3C7354 type N female to TNC male cable assembly operates to 6 GHz. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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
Velocity of Propagation		69.5		%

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Typ.)	0.058	0.076	0.111	0.174	0.311	dB/ft
	0.19	0.25	0.36	0.57	1.02	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead to TNC Male Cable Using RG402 Coax PE3C7354](#)



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#### Mechanical Specifications

##### Cable Assembly

Weight	0.152 lbs [68.95 g]
<b>Cable</b>	
Cable Type	RG402
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Copper
Repeated Minimum Bend Radius	0.25 in [6.35 mm]

##### Connectors

Description	Connector 1	Connector 2
Type	N Female Bulkhead	TNC Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Phosphor Bronze, Gold over Nickel	Brass, Gold
Contact Plating Specification		50 $\mu$ in minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification		30 $\mu$ in minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 $\mu$ in minimum

#### Environmental Specifications

##### Temperature

Operating Range -55 to +125 deg C

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

#### Plotted and Other Data

Notes:

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**PE3C7354**

#### How to Order

Part Number Configuration:

**PE3C7354**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3C7354-12 = 12 inches long cable  
PE3C7354-100cm = 100 cm long cable

N Female Bulkhead to TNC Male Cable Using RG402 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 Female Bulkhead to TNC Male Cable Using RG402 Coax PE3C7354](#)

URL: <https://www.pasternack.com/n-female-bulkhead-to-tnc-male-cable-using-rg402-pe3c7354-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

**PE3C7354 CAD Drawing**  
N Female Bulkhead to TNC Male Cable Using RG402 Coax

