



## TNC Male to TNC Male Cable 6 Inch Length Using RG402 Coax

### RF Cable Assemblies Technical Data Sheet

**PE3074-6**

#### Configuration

- Connector 1: TNC Male
- Connector 2: TNC Male
- Cable Type: RG402

#### Features

- Max Frequency 6 GHz
- 69.5% Phase Velocity

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3074-6 TNC male to TNC male 6 inch 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 TNC to TNC cable assembly has a male to male gender configuration with 50 ohm semi-rigid RG402 coax. The PE3074-6 TNC male to TNC male cable assembly operates to 6 GHz.

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			1.5:1	
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 (Max.)	0.219	0.238	0.256	0.287	0.356	dB

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 TNC Male Cable 6 Inch Length Using RG402 Coax PE3074-6](#)



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#### Mechanical Specifications

##### Cable Assembly

Length*	6 in [152.4 mm]
Diameter	0.571 in [14.5 mm]
Weight	0.086 lbs [39.01 g]

##### Cable

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	TNC Male	TNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50 $\mu$ in minimum	50 $\mu$ in minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification	30 $\mu$ in minimum	30 $\mu$ in minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 $\mu$ in minimum	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:

- Values at 25°C, sea level.

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 TNC Male Cable 6 Inch Length Using RG402 Coax PE3074-6](#)



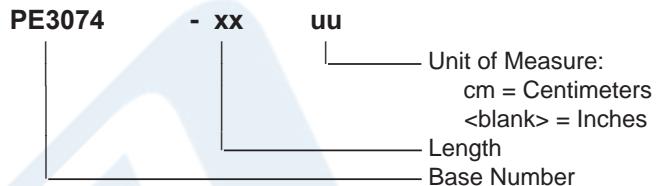
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#### How to Order

Part Number Configuration:



Example: PE3074-12 = 12 inches long cable  
PE3074-100cm = 100 cm long cable

TNC Male to TNC Male Cable 6 Inch Length 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: [TNC Male to TNC Male Cable 6 Inch Length Using RG402 Coax PE3074-6](#)

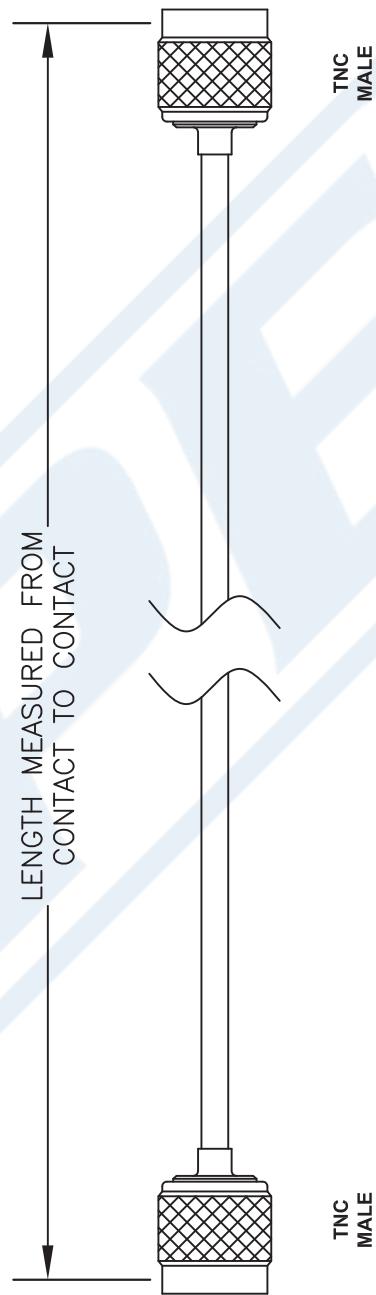
URL: <https://www.pasternack.com/tnc-male-tnc-male-rg402u-cable-assembly-pe3074-6-p.aspx>

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.

# PE3074-6 CAD Drawing

TNC Male to TNC Male Cable 6 Inch Length Using RG402 Coax

Standard Lengths	
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	
Custom Length in Inches	



DWG TITLE  
**PE3074-XX**

NOTES:  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].  
 4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR 3/8", WHICHEVER IS GREATER.

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