

## TNC Male to TNC Male Cable Using 95 Ohm RG180 Coax



### PE38962

#### Configuration

- Connector 1: TNC Male
- Connector 2: TNC Male
- Cable Type: RG180
- Coax Flex Type: Flexible

#### Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE38962 TNC male to TNC male cable using 95 ohm RG180 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 TNC cable assembly has a male to male gender configuration with 95 ohm flexible RG180 coax. The PE38962 TNC male to TNC male cable assembly operates to 3 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		3	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		17.4 [57.09]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Jacket Spark			2,000	Vrms

#### Mechanical Specifications

##### Cable Assembly

Weight 0.11 lbs [49.9 g]

##### Cable

Cable Type RG180  
Impedance 95 Ohms  
Inner Conductor Type Stranded

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Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.145 in [3.68 mm]

### Connectors

Description	Connector 1	Connector 2
Type	TNC Male	TNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum

### Environmental Specifications

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

### Plotted and Other Data

Notes:  
Values at 25°C, sea level.

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#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE38962**

**- xx**

**uu**

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

Length  
Base Number

Example: PE38962-12 = 12 inches long cable  
PE38962-100cm = 100 cm long cable

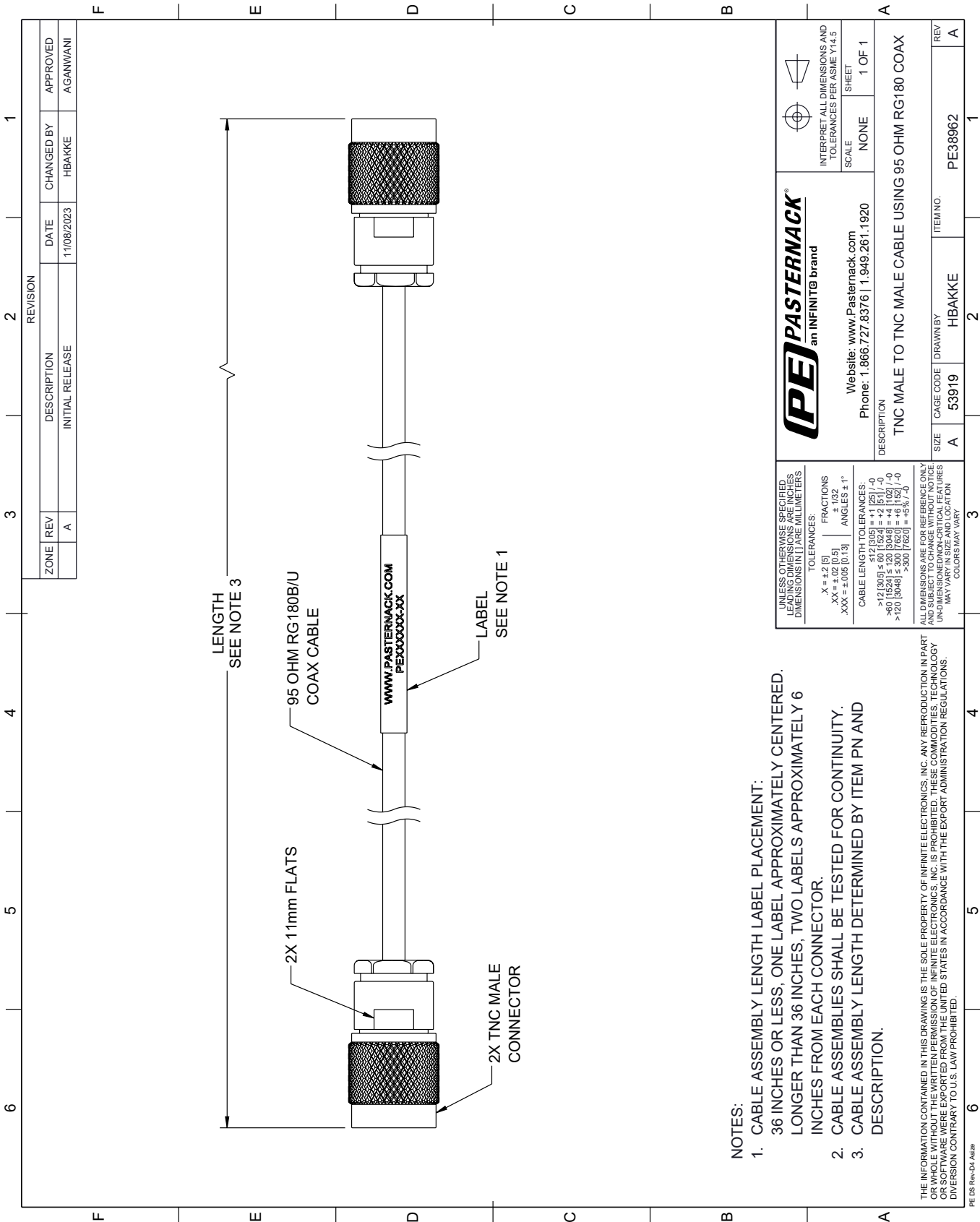
TNC Male to TNC Male Cable Using 95 Ohm RG180 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 Using 95 Ohm RG180 Coax PE38962](#)

URL: <https://www.pasternack.com/tnc-male-to-tnc-male-cable-using-rg180-pe38962-p.aspx>

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PE38962 CAD Drawing
TNC Male to TNC Male Cable Using 95 Ohm RG180 Coax



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

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