

## TNC Male Right Angle to BNC Male Right Angle Cable Using RG214 Coax



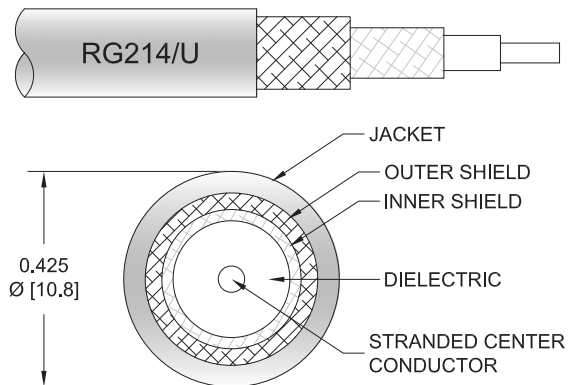
### PE3W07657

#### Configuration

- Connector 1: TNC Male Right Angle
- Connector 2: BNC Male Right Angle
- Cable Type: RG214
- Coax Flex Type: Flexible

#### Features

- Max Frequency 4 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W07657 TNC male right angle to BNC male right angle cable using RG214 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 BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG214 coax. The PE3W07657 TNC male to BNC male cable assembly operates to 4 GHz. The right angle TNC and right angle BNC interfaces on the RG214 cable allow for easier connections in tight spaces. 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		4	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

#### Specifications by Frequency

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**PE3W07657**

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE3W07657	Custom Lengths Available	Insertion Loss (Typ.)	0.021	0.03	0.045	0.077	0.174	dB/ft	
			0.07	0.1	0.15	0.26	0.58	dB/m	
PE3W07657-12	12 inch	Insertion Loss (Typ.)	0.43	0.43	0.45	0.48	0.58	dB	0.431
PE3W07657-36	36 inch	Insertion Loss (Typ.)	0.47	0.49	0.54	0.64	0.93	dB	0.688
PE3W07657-48	48 inch	Insertion Loss (Typ.)	0.49	0.52	0.58	0.71	1.1	dB	0.816
PE3W07657-72	72 inch	Insertion Loss (Typ.)	0.53	0.58	0.67	0.87	1.45	dB	1.072
PE3W07657-108	108 inch	Insertion Loss (Typ.)	0.59	0.67	0.81	1.1	1.97	dB	1.456

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: 0.2 dB  
 Loss due to Connector 2: 0.2 dB  
 Base Weight: 0.431 pounds  
 Additional Weight per Inch: 0.01067 pounds

**Mechanical Specifications**

**Cable Assembly**

Weight 0.431 lbs [195.5 g]

**Cable**

Cable Type RG214  
 Impedance 50 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type PE  
 Number of Shields 2  
 Shield Layer 1 Silver Plated Copper Braid  
 Shield Layer 2 Silver Plated Copper Braid  
 Jacket Material PVC, Black  
 Jacket Diameter 0.425 in [10.8 mm]  
 Repeated Minimum Bend Radius 1.6 in [40.64 mm]

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**Connectors**

Description	Connector 1	Connector 2
Type	TNC Male Right Angle	BNC Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification		30 µin minimum
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**

Operating Range Temperature -20 to +80 deg C

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

**Plotted and Other Data**

Notes:

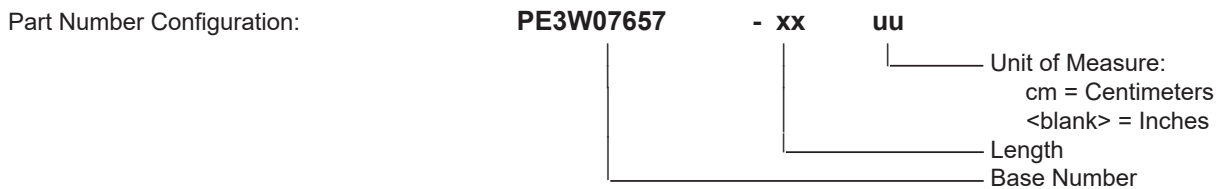
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**PE3W07657**

**Typical Performance Data**

**How to Order**



Example: PE3W07657-12 = 12 inches long cable  
PE3W07657-100cm = 100 cm long cable

TNC Male Right Angle to BNC Male Right Angle Cable Using RG214 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 Right Angle to BNC Male Right Angle Cable Using RG214 Coax PE3W07657](https://www.pasternack.com/tnc-male-right-angle-to-bnc-male-right-angle-cable-using-rg214-coax-pe3w07657)

URL: <https://www.pasternack.com/tnc-male-right-angle-to-bnc-male-cable-using-rg214-pe3w07657-p.aspx>

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# PE3W07657 CAD Drawing

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