

## TNC Male to TNC Male Cable Using RG188 Coax, LF Solder



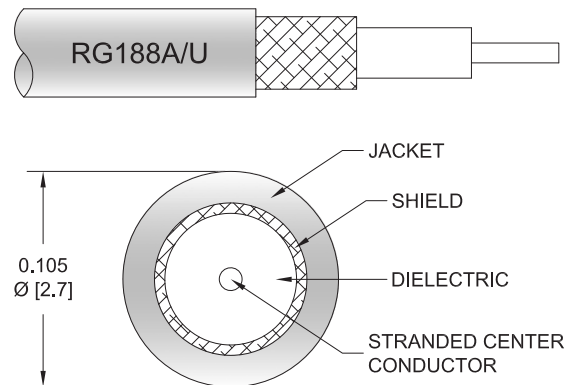
### PE3W12357LF

#### Configuration

- Connector 1: TNC Male
- Connector 2: TNC Male
- Cable Type: RG188
- Coax Flex Type: Flexible

#### Features

- Max Frequency 3 GHz
- PTFE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W12357LF TNC male to TNC male cable using RG188 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 50 ohm flexible RG188 coax. The PE3W12357LF 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	

#### Specifications by Frequency

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### PE3W12357LF

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE3W12357LF	Custom Lengths Available	Insertion Loss (Typ.)	0.05	0.13	0.25	0.5	1.5	dB/ft	
			0.17	0.42	0.83	1.65	4.93	dB/m	
PE3W12357LF-12	12 inch	Insertion Loss (Typ.)	0.25	0.33	0.45	0.7	1.7	dB	0.08
PE3W12357LF-24	24 inch	Insertion Loss (Typ.)	0.3	0.45	0.7	1.2	3.2	dB	0.091
PE3W12357LF-36	36 inch	Insertion Loss (Typ.)	0.35	0.58	0.95	1.7	4.7	dB	0.101
PE3W12357LF-48	48 inch	Insertion Loss (Typ.)	0.4	0.7	1.2	2.2	6.2	dB	0.111
PE3W12357LF-72	72 inch	Insertion Loss (Typ.)	0.5	0.95	1.7	3.2	9.2	dB	0.131

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:	0.08 pounds
Additional Weight per Inch:	0.00084 pounds

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.08 lbs [36.29 g]

#### Cable

Cable Type	RG188
Impedance	50 Ohms
Inner Conductor Type	Stranded
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	PTFE, White
Jacket Diameter	0.11 in [2.79 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	TNC Male	TNC Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	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 -55 to +165 deg C

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

#### Plotted and Other Data

Notes:

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### PE3W12357LF

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3W12357LF - xx uu**

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

Length

Base Number

Example: PE3W12357LF-12 = 12 inches long cable  
PE3W12357LF-100cm = 100 cm long cable

TNC Male to TNC Male Cable Using RG188 Coax, LF Solder 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.

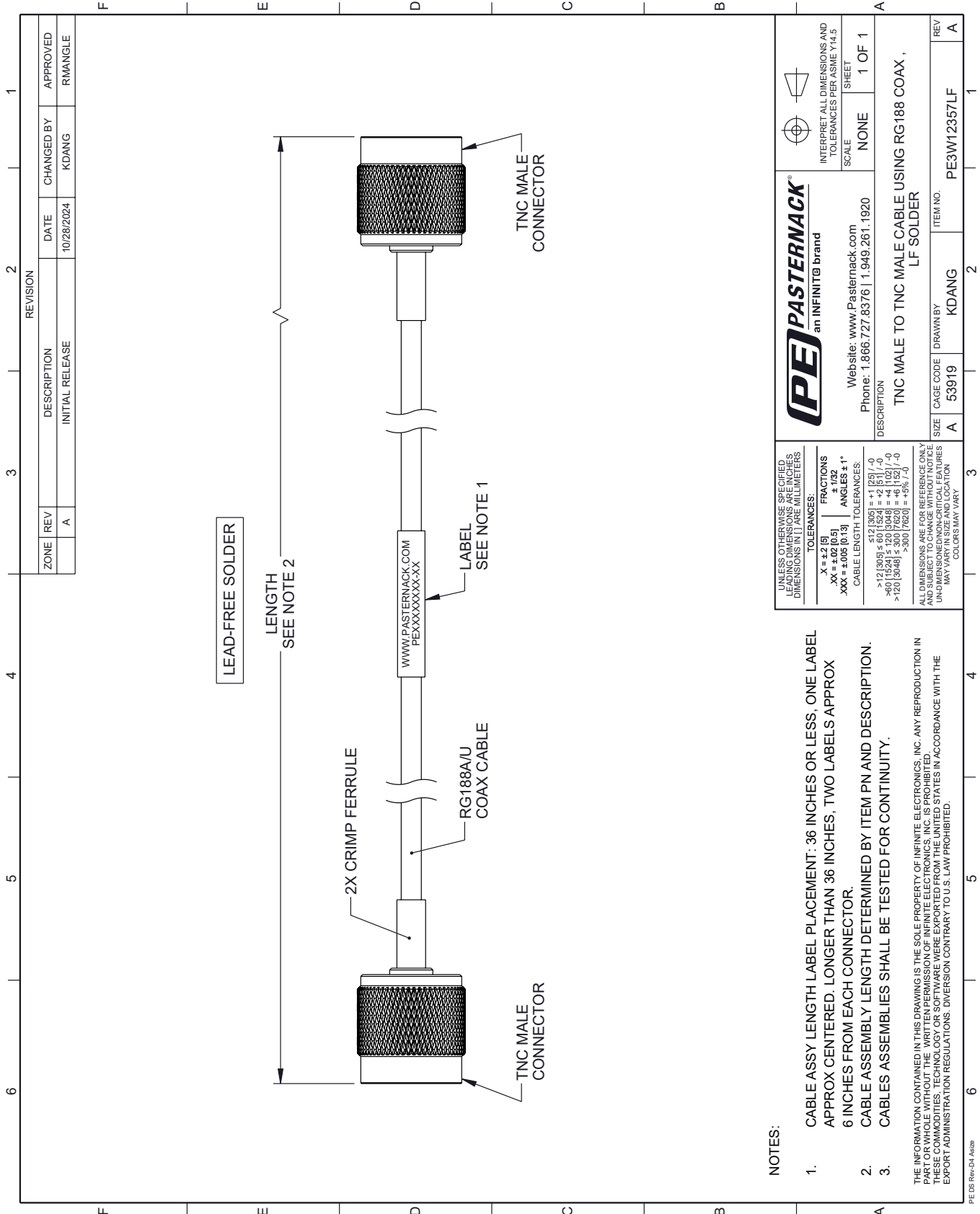
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to TNC Male Cable Using RG188 Coax, LF Solder PE3W12357LF](#)

URL: <https://www.pasternack.com/tnc-male-to-tnc-male-cable-using-rg188-lf-solder-pe3w12357lf-p.aspx>

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# PE3W12357LF CAD Drawing

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**NOTES:**

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

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS

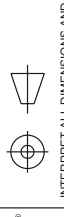
**TOLERANCES:**  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]

**FRACTIONS**  
 ± 1/32  
**ANGLES** ± 1°  
**CABLE LENGTH TOLERANCES:**  
 ≤ 12 [305] ± .60 [1524] = +.1 [25] / -0  
 > 12 [305] ≤ 60 [1524] = +.4 [1027] / -0  
 > 60 [1524] ≤ 120 [3048] = +.4 [1027] / -0  
 > 120 [3048] ≤ 300 [7620] = +.5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.



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 Phone: 1.866.727.8376 | 1.949.261.1920



INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
 SCALE NONE  
 SHEET 1 OF 1

DESCRIPTION		ITEM NO.	
TNC MALE TO TNC MALE CABLE USING RG188 COAX, LF SOLDER		PE3W12357LF	
SIZE	CAGE CODE	DRAWN BY	REV
A	53919	KDANG	A