



TNC Male to TNC Male Cable 72 Inch
Length Using RG316 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE3747LF-72

Configuration

- Connector 1: TNC Male
- Connector 2: TNC Male
- Cable Type: RG316

Features

- Max Frequency 3 GHz
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3747LF-72 TNC male to TNC male 72 inch cable using RG316 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 RG316 coax. The PE3747LF-72 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.

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 72 Inch Length Using RG316 Coax, RoHS PE3747LF-72](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.86	1.16	1.63	2.48	3.68	dB

Mechanical Specifications

Cable Assembly

Length*	72 in [182.88 cm]
Weight	0.121 lbs [54.88 g]

Cable

Cable Type	RG316
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	FEP, Tan
Jacket Diameter	0.098 in [2.49 mm]

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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	30µ in. minimum	30µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. minimum	100µ in. minimum

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE3747LF

- xx

uu

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

Example: PE3747LF-12 = 12 inches long cable
PE3747LF-100cm = 100 cm long cable

TNC Male to TNC Male Cable 72 Inch Length Using RG316 Coax, RoHS 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.

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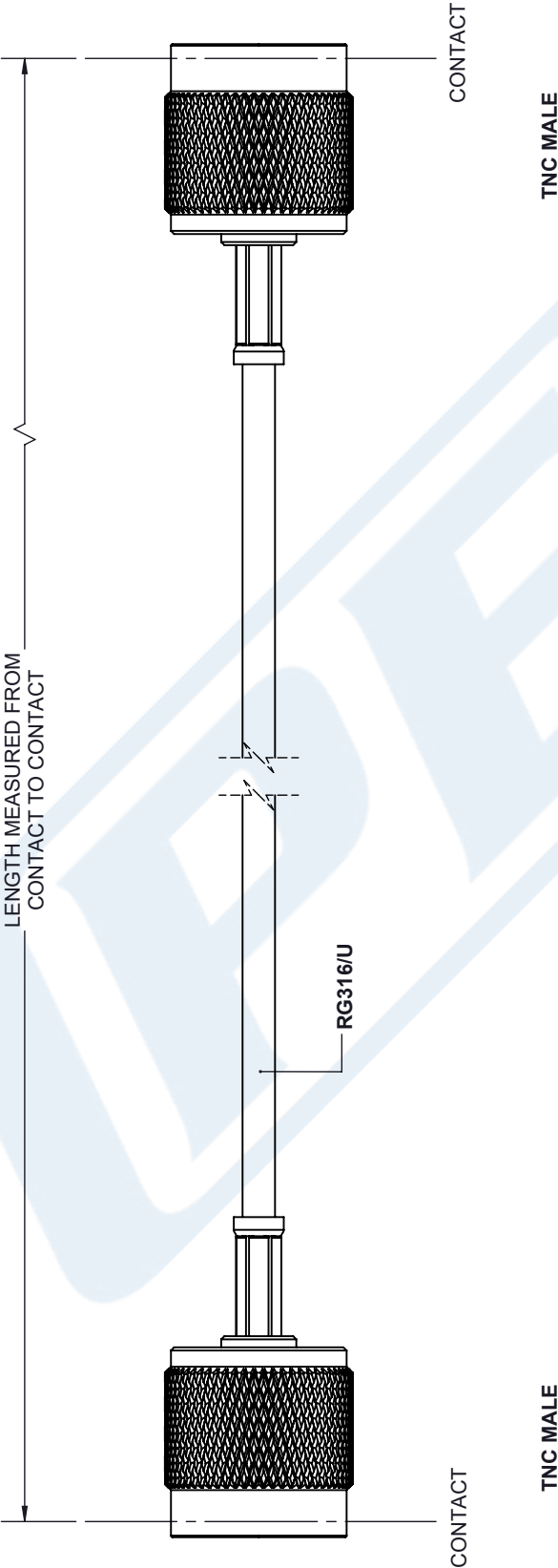
URL: <https://www.pasternack.com/tnc-male-tnc-male-rg316u-cable-assembly-pe3747lf-72-p.aspx>

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.

PE3747LF-72 CAD Drawing

TNC Male to TNC Male Cable 72 Inch Length Using RG316 Coax, RoHS

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE3747	2/22/2022	A. GANWANI



THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

REV B

ITEM NO. PE3747LF

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

TOLERANCES:

X = ± .2

[.508]

FRACTIONS

.XX = ± .02

[.51]

± 1/32

.XXX = ± .005

[.13]

ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12

[305]

= +1 [25] / -0

12 [305] < L ≤ 60

[1524]

= +2 [51] / -0

60 [1524] < L ≤ 120

[3048]

= +4 [102] / -0

120 [3048] < L ≤ 300

[7620]

= +6 [152] / -0

300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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