

TNC Male Right Angle to TNC Male Cable Using RG58 Coax, LF Solder



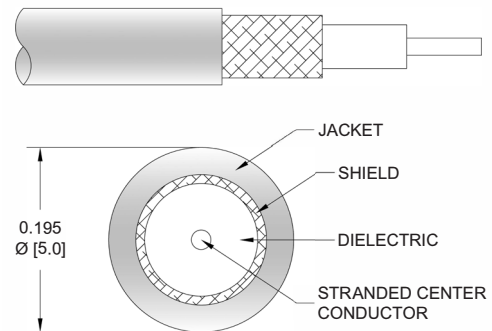
PE33174LF

Configuration

- Connector 1: TNC Male Right Angle
- Connector 2: TNC Male
- Cable Type: RG58
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- 65.9% Phase Velocity
- PVC (NC) Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33174LF TNC male right angle to TNC male cable using RG58 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 RG58 coax. The PE33174LF TNC male to TNC male cable assembly operates to 3 GHz. The right angle TNC interface on the RG58 cable allows for easier connections in tight spaces.

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		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE33174LF	Custom Lengths Available	Insertion Loss (Typ.)	0.049	0.074	0.116	0.2	0.4	dB/ft	
			0.17	0.25	0.39	0.66	1.32	dB/m	
PE33174LF-12	12 inch	Insertion Loss (Typ.)	0.35	0.38	0.42	0.5	0.7	dB	0.119
PE33174LF-24	24 inch	Insertion Loss (Typ.)	0.4	0.45	0.54	0.7	1.1	dB	0.143
PE33174LF-36	36 inch	Insertion Loss (Typ.)	0.45	0.53	0.65	0.9	1.5	dB	0.167
PE33174LF-48	48 inch	Insertion Loss (Typ.)	0.5	0.6	0.77	1.1	1.9	dB	0.191
PE33174LF-200CM	200 cm	Insertion Loss (Typ.)	0.63	0.79	1.07	1.62	2.93	dB	0.495

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:	0.1 dB
Base Weight:	0.119 pounds
Additional Weight per Inch:	0.002 pounds

Mechanical Specifications

Cable Assembly

Weight 0.119 lbs [53.98 g]

Cable

Cable Type	RG58
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC (NC), Black
Jacket Diameter	0.195 in [4.95 mm]
One Time Minimum Bend Radius	0.98 in [24.89 mm]
Repeated Minimum Bend Radius	1.96 in [49.78 mm]

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Connectors

Description	Connector 1	Connector 2
Type	TNC Male Right Angle	TNC Male
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	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 -40 to +80 deg C

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

Plotted and Other Data

Notes:

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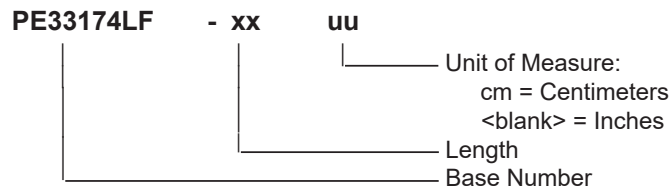


PE33174LF

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE33174LF-12 = 12 inches long cable
PE33174LF-100cm = 100 cm long cable

TNC Male Right Angle to TNC Male Cable Using RG58 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.

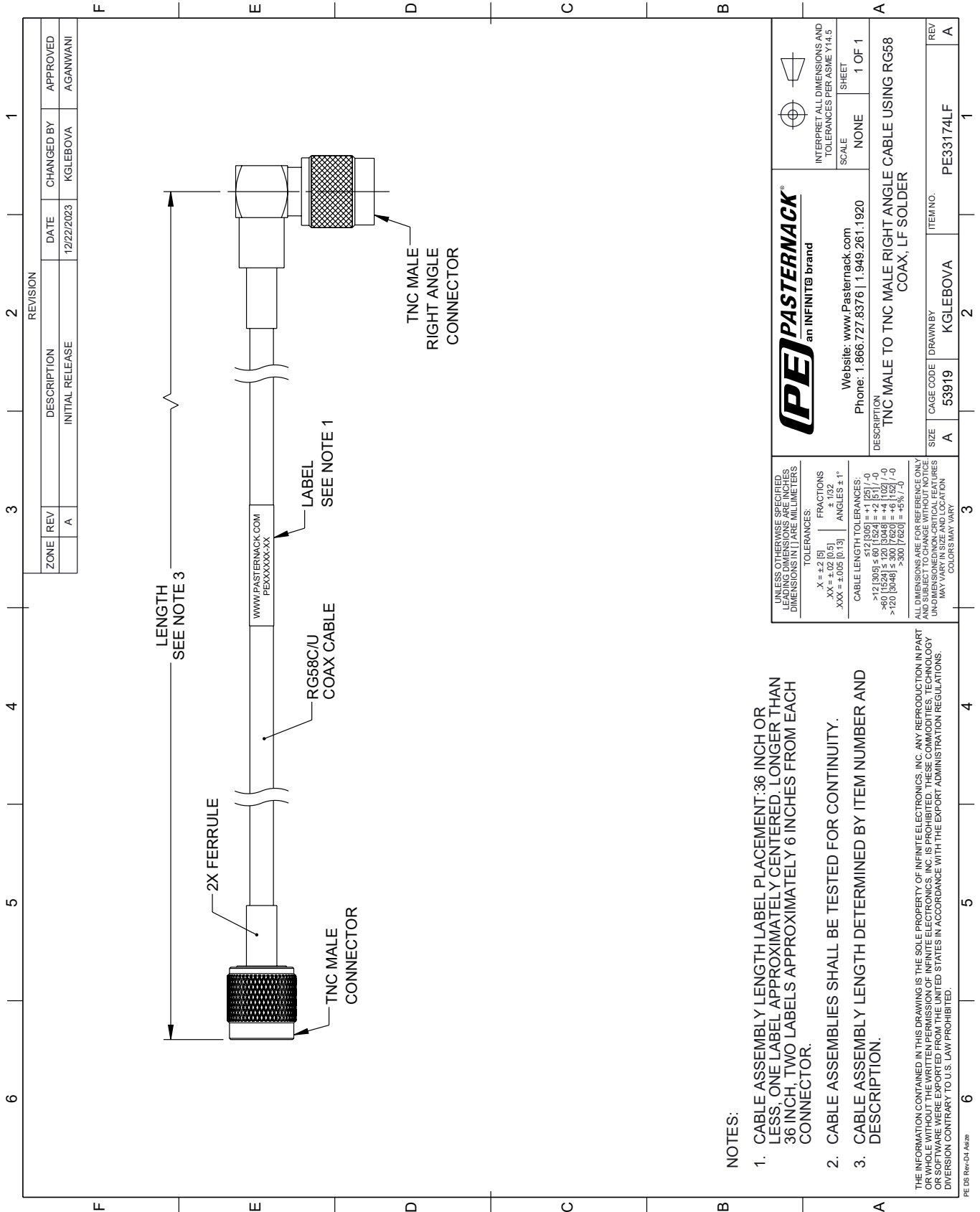
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle to TNC Male Cable Using RG58 Coax, LF Solder PE33174LF](#)

URL: <https://www.pasternack.com/tnc-male-right-angle-to-tnc-male-cable-using-rg58-lf-solder-pe33174lf-p.aspx>

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PE33174LF CAD Drawing

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NOTES:

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

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PE DS Rev-04 Add2

REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	INITIAL RELEASE	
A				AGANWANI

	Website: www.Pasternack.com 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 TNC MALE TO TNC MALE RIGHT ANGLE CABLE USING RG58 COAX, LF SOLDER	
SIZE	CAGE CODE	ITEM NO.
A	53919	PE33174LF