

10-32 Male to 10-32 Male Cable Using RG188 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE37313LF

Configuration

- Connector 1: 10-32 Male
- Connector 2: 10-32 Male
- Cable Type: RG188

Features

- Max Frequency 2 GHz
- PTFE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE37313LF 10-32 male to 10-32 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 10-32 to 10-32 cable assembly has a male to male gender configuration with 50 ohm flexible RG188 coax. The PE37313LF 10-32 male to 10-32 male cable assembly operates to 2 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		2	GHz
VSWR			1.4:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.1	0.25	0.5	2	GHz
Insertion Loss (Max.)	1.025	1.05	1.125			dB/ft
	3.36	3.44	3.69			dB/m
VSWR (Max.)		1.4:1	1.4:1	1.4:1	1.4:1	1.4:1
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10-32 Male to 10-32 Male Cable Using RG188 Coax , LF Solder PE37313LF](#)

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RF Cable Assemblies Technical Data Sheet**PE37313LF****Mechanical Specifications****Cable Assembly**

Weight 0.028 lbs [12.7 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]

Connectors

Description	Connector 1	Connector 2
Type	10-32 Male	10-32 Male
Impedance	50 Ohms	50 Ohms
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
Hex Size	1/4 inch	1/4 inch

Environmental Specifications**Temperature**

Operating Range -55 to +125 deg C

Compliance Certifications (see [product page](#) for current document)**Plotted and Other Data**

Notes:

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RF Cable Assemblies Technical Data Sheet

PE37313LF

How to Order

Part Number Configuration:

PE37313LF**- xx****uu**

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

Example: PE37313LF-12 = 12 inches long cable
PE37313LF-100cm = 100 cm long cable

10-32 Male to 10-32 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.

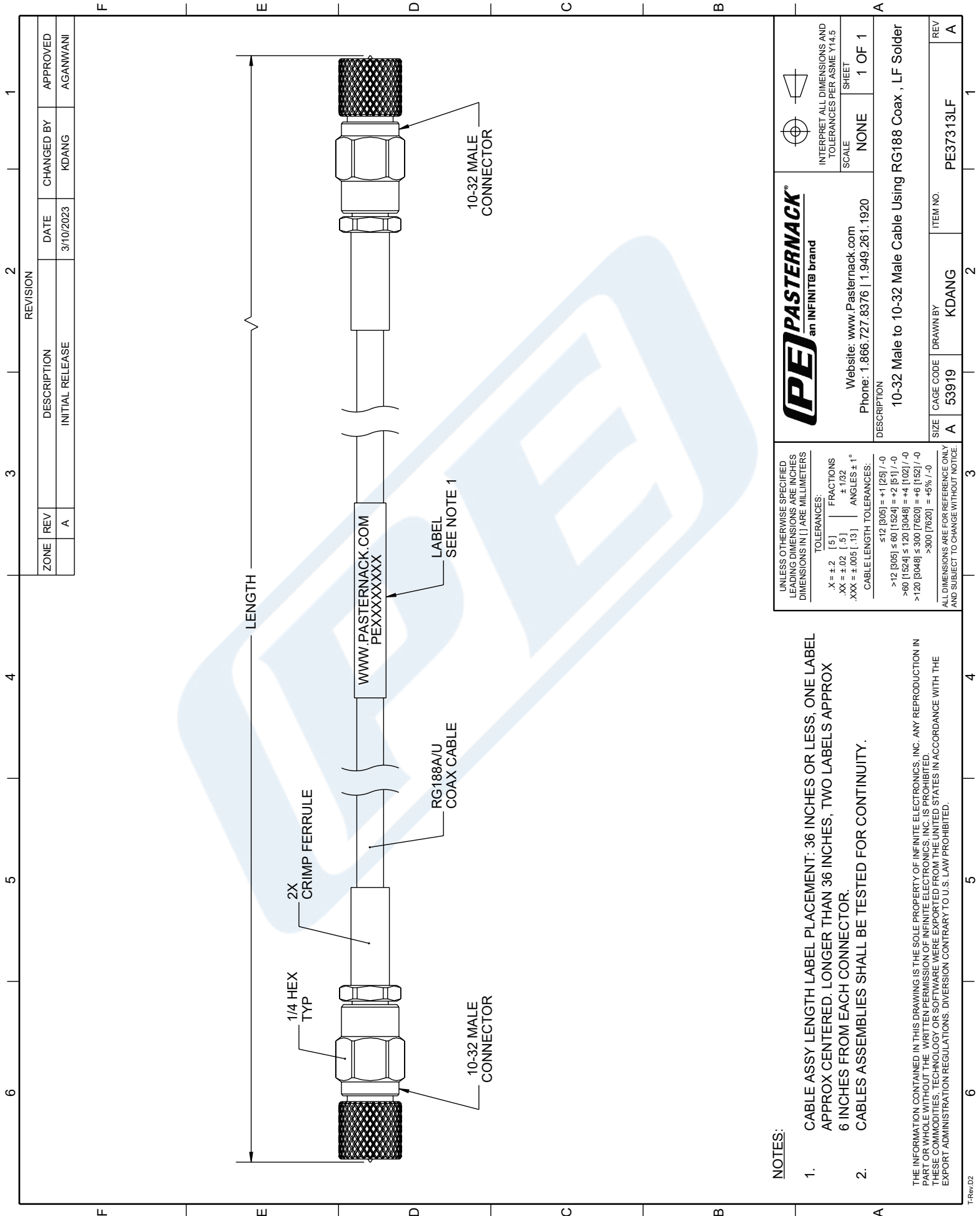
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10-32 Male to 10-32 Male Cable Using RG188 Coax , LF Solder PE37313LF](#)

URL: <https://www.pasternack.com/10-32-male-10-32-male-rg188au-cable-assembly-pe37313lf-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.

PE37313LF CAD Drawing

10-32 Male to 10-32 Male Cable Using RG188 Coax , LF Solder



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. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

DESCRIPTION
10-32 Male to 10-32 Male Cable Using RG188 Coax , LF Solder

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE37313LF	A

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

TOLERANCES:

X = ±.2	[.5]	FRACTIONS
.XX = ±.02	[.13]	±.1/32
.XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤12 [305]	±.1 [25]	/ -0
>12 [305]	≤ 60 [1524]	±.2 [51] / -0
>60 [1524]	≤ 120 [3048]	±.4 [102] / -0
>120 [3048]	≤ 300 [7620]	±.6 [152] / -0
>300 [7620]	±.5% / -0	

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE.