



BNC Male to Straight Cut Lead Cable
Using RG316 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

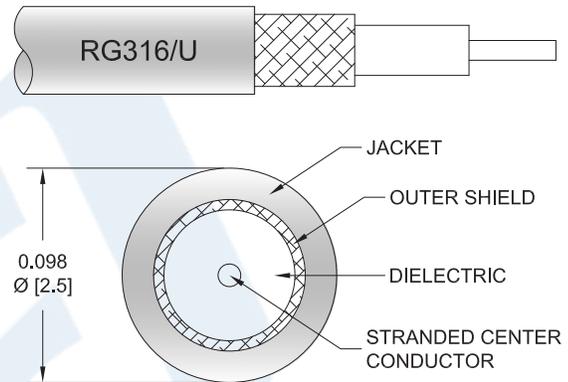
PE3C3581LF

Configuration

- Connector 1: BNC Male
- Connector 2: Straight Cut Lead
- Cable Type: RG316

Features

- 69% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C3581LF 50 ohm BNC male to straight cut lead 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.

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
Velocity of Propagation		69		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Jacket Spark			2,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.037 lbs [16.78 g]

Cable

Cable Type RG316

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to Straight Cut Lead Cable Using RG316 Coax , LF Solder PE3C3581LF](#)



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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	0.102 in [2.59 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	Straight Cut Lead
Specification	MIL-STD-348A	
Impedance	50 Ohms	0 Ohms
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	
Body Plating Specification	100 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3C3581LF - xx uu

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

Example: PE3C3581LF-12 = 12 inches long cable
PE3C3581LF-100cm = 100 cm long cable

BNC Male to Straight Cut Lead Cable Using RG316 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.

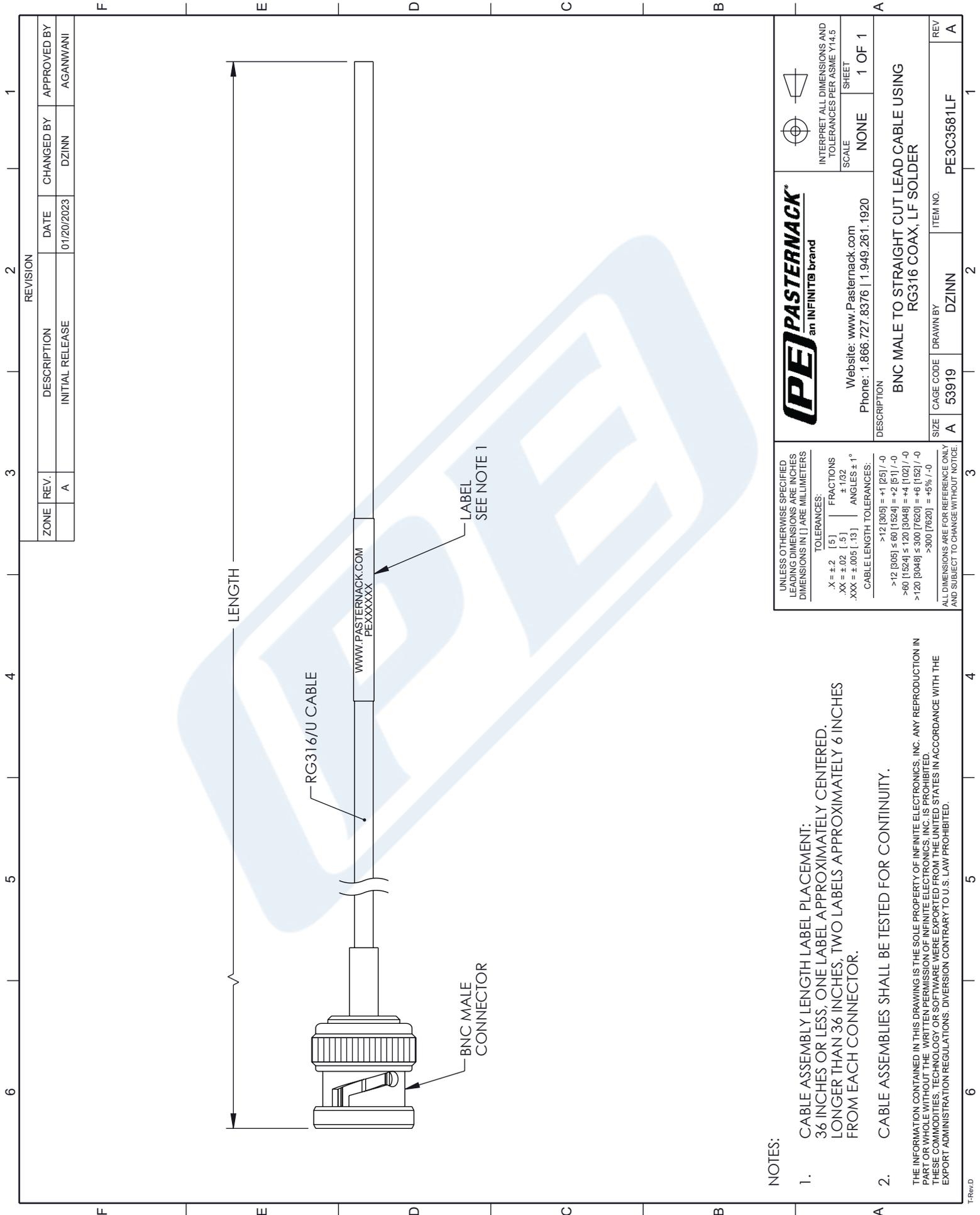
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URL: <https://www.pasternack.com/bnc-male-to-straight-cut-lead-cable-using-rg316-lf-solder-pe3c3581lf-p.aspx>

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.

PE3C3581LF CAD Drawing

BNC Male to Straight Cut Lead Cable Using RG316 Coax , LF Solder



NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		DESCRIPTION: BNC MALE TO STRAIGHT CUT LEAD CABLE USING RG316 COAX, LF SOLDER	
SIZE: A	CAGE CODE: 53919	DRAWN BY: DZINN	ITEM NO.: PE3C3581LF
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: .X = ±.2 [.5] FRACTIONS ±.1/32 .XX = ±.02 [.5] ANGLES ± 1° .XXX = ±.005 [.13] CABLE LENGTH TOLERANCES: >12 [305] = +1 [25] / -0 >60 [1524] ≤ 60 [1524] = +2 [5] / -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.	

REVISION			
ZONE	REV.	DESCRIPTION	DATE
	A	INITIAL RELEASE	01/20/2023

APPROVED BY	CHANGED BY
AGANWANI	DZINN