



BNC Male Right Angle to SMA Male Right Angle
Cable Using RG400 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3016LF

Configuration

- Connector 1: BNC Male Right Angle
- Connector 2: SMA Male Right Angle
- Cable Type: RG400

Features

- Max Frequency 4 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3016LF BNC male right angle to SMA male right angle cable using RG400 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 BNC to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG400 coax. The PE3016LF BNC male to SMA male cable assembly operates to 4 GHz. The right angle BNC and right angle SMA interfaces on the RG400 cable allow for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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: [BNC Male Right Angle to SMA Male Right Angle Cable Using RG400 Coax , LF Solder PE3016LF](#)



BNC Male Right Angle to SMA Male Right Angle
 Cable Using RG400 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3016LF

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.044	0.061	0.089	0.147	0.306	dB/ft
	0.14	0.2	0.29	0.48	1	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.115 lbs [52.16 g]

Cable

Cable Type RG400
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PTFE
 Number of Shields 2
 Shield Layer 1 Silver Plated Copper Braid
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.195 in [4.95 mm]
 Repeated Minimum Bend Radius 1 in [25.4 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to SMA Male Right Angle Cable Using RG400 Coax , LF Solder PE3016LF](#)



BNC Male Right Angle to SMA Male Right Angle
Cable Using RG400 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3016LF

Connectors

Description	Connector 1	Connector 2
Type	BNC Male Right Angle	SMA Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	50 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		5/16 inch
Torque		3 in-lbs [0.34 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

- Values at 25° C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to SMA Male Right Angle Cable Using RG400 Coax , LF Solder PE3016LF](#)



BNC Male Right Angle to SMA Male Right Angle
Cable Using RG400 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3016LF

How to Order

Part Number Configuration:

PE3016LF - xx uu

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

Example: PE3016LF-12 = 12 inches long cable
PE3016LF-100cm = 100 cm long cable

BNC Male Right Angle to SMA Male Right Angle Cable Using RG400 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.

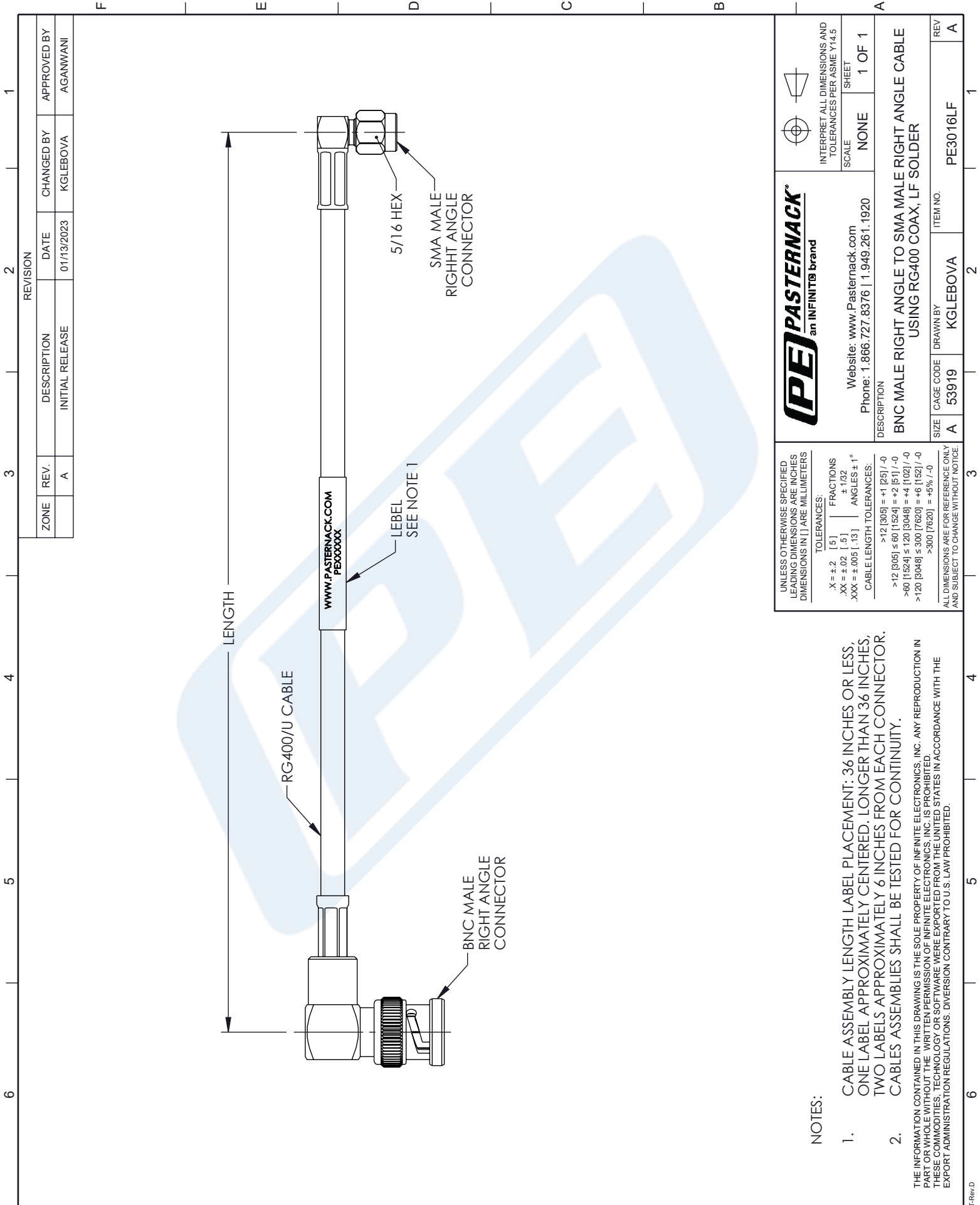
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to SMA Male Right Angle Cable Using RG400 Coax , LF Solder PE3016LF](#)

URL: <https://www.pasternack.com/bnc-male-right-angle-to-sma-male-cable-using-rg400-lf-solder-pe3016lf-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.

PE3016LF CAD Drawing

BNC Male Right Angle to SMA Male Right Angle Cable Using RG400 Coax , LF Solder



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

PE PASTERNAK
an INFINIT® brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION
BNC MALE RIGHT ANGLE TO SMA MALE RIGHT ANGLE CABLE USING RG400 COAX, LF SOLDER

SIZE: A CAGE CODE: 53919 DRAWN BY: KGLEBOVA ITEM NO.: PE3016LF REV: A

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE SHEET: 1 OF 1

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] = +2 [51] / -0
 >120 [3048] = +4 [102] / -0
 >300 [7620] = +6 [152] / -0
 >600 [15240] = +8 [254] / -0

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

- NOTES:
- CABLE ASSEMBLY LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR. CABLES 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.