



BNC Male Right Angle to SMA Female Cable 12 Inch Length Using RG316 Coax

RF Cable Assemblies Technical Data Sheet

PE3W04854-12

Configuration

- Connector 1: BNC Male Right Angle
- Connector 2: SMA Female
- Cable Type: RG316

Features

- 69% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W04854-12 BNC male right angle to SMA female 12 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 BNC to SMA cable assembly has a male to female gender configuration with 50 ohm flexible RG316 coax. The right angle BNC interface on the RG316 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
VSWR			1.5:1	
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Diameter	0.57 in [14.48 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 Female Cable 12 Inch Length Using RG316 Coax PE3W04854-12](#)



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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]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male Right Angle	SMA Female
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Silver	Beryllium Copper, Gold
Contact Plating Specification		50µ in. minimum
Dielectric Type		Teflon
Outer Conductor Material and Plating		Brass, Gold
Outer Conductor Plating Specification		3µ in. minimum
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification		3µ in. minimum

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W04854

- **xx**

uu

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

Example: PE3W04854-12 = 12 inches long cable
PE3W04854-100cm = 100 cm long cable

BNC Male Right Angle to SMA Female Cable 12 Inch Length Using RG316 Coax 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 Female Cable 12 Inch Length Using RG316 Coax PE3W04854-12](https://www.pasternack.com/bnc-male-sma-female-rg316u-cable-assembly-pe3w04854-12-p.aspx)

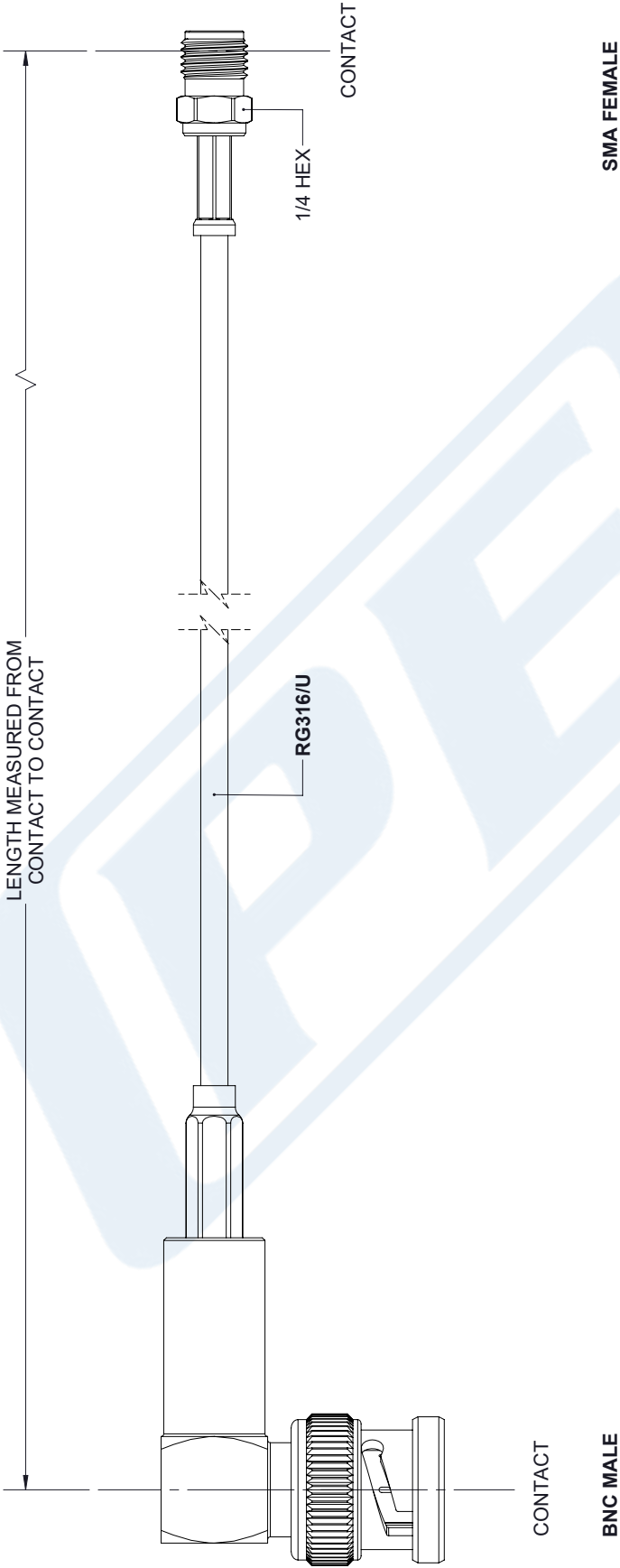
URL: <https://www.pasternack.com/bnc-male-sma-female-rg316u-cable-assembly-pe3w04854-12-p.aspx>

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.

PE3W04854-12 CAD Drawing

BNC Male Right Angle to SMA Female Cable 12 Inch Length Using RG316 Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	SELLIS



PE PASTERNAK an INFINITO brand		Pastermack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.	
SHEET 1 OF 1		SCALE N/A		REV A	
SIZE A		CAGE 53919		DRAWN BY K.DANG	
PART NUMBER PE3W04854		REV A		REV A	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		TOLERANCES:		THIRD-ANGLE PROJECTION	
X±.2 [5.08]		FRACTIONS ±.132		ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
XX±.01 [.25]		ANGLES ± 1°			
XXX±.005 [.13]					

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