



SMA Male Right Angle to BNC Male Right Angle Cable Using RG316-DS Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

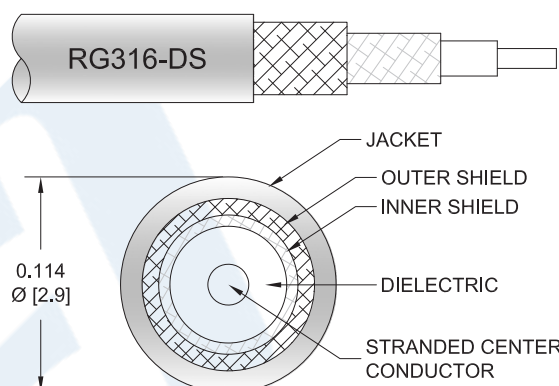
PE3C0092/HS

Configuration

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

Features

- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C0092/HS SMA male right angle to BNC male right angle cable using RG316-DS 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 SMA to BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG316-DS coax. The right angle SMA and right angle BNC interfaces on the RG316-DS 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.093 lbs [42.18 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to BNC Male Right Angle Cable Using RG316-DS Coax with Heat-Shrink PE3C0092/HS](#)



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Cable

Cable Type	RG316-DS
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, 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	0.114 in [2.9 mm]

Repeated Minimum Bend Radius	0.591 in [15.01 mm]
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Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	BNC Male Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Gold
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	
Hex Size	5/16 inch	
Torque	3 in-lbs [0.34 Nm]	

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

Plotted and Other Data

Notes:

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PE3C0092/HS

How to Order

Part Number Configuration:

PE3C0092/HS

- **xx**

uu

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

Example: PE3C0092/HS-12 = 12 inches long cable
PE3C0092/HS-100cm = 100 cm long cable

SMA Male Right Angle to BNC Male Right Angle Cable Using RG316-DS Coax with HeatShrink 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: [SMA Male Right Angle to BNC Male Right Angle Cable Using RG316-DS Coax with HeatShrink PE3C0092/HS](#)

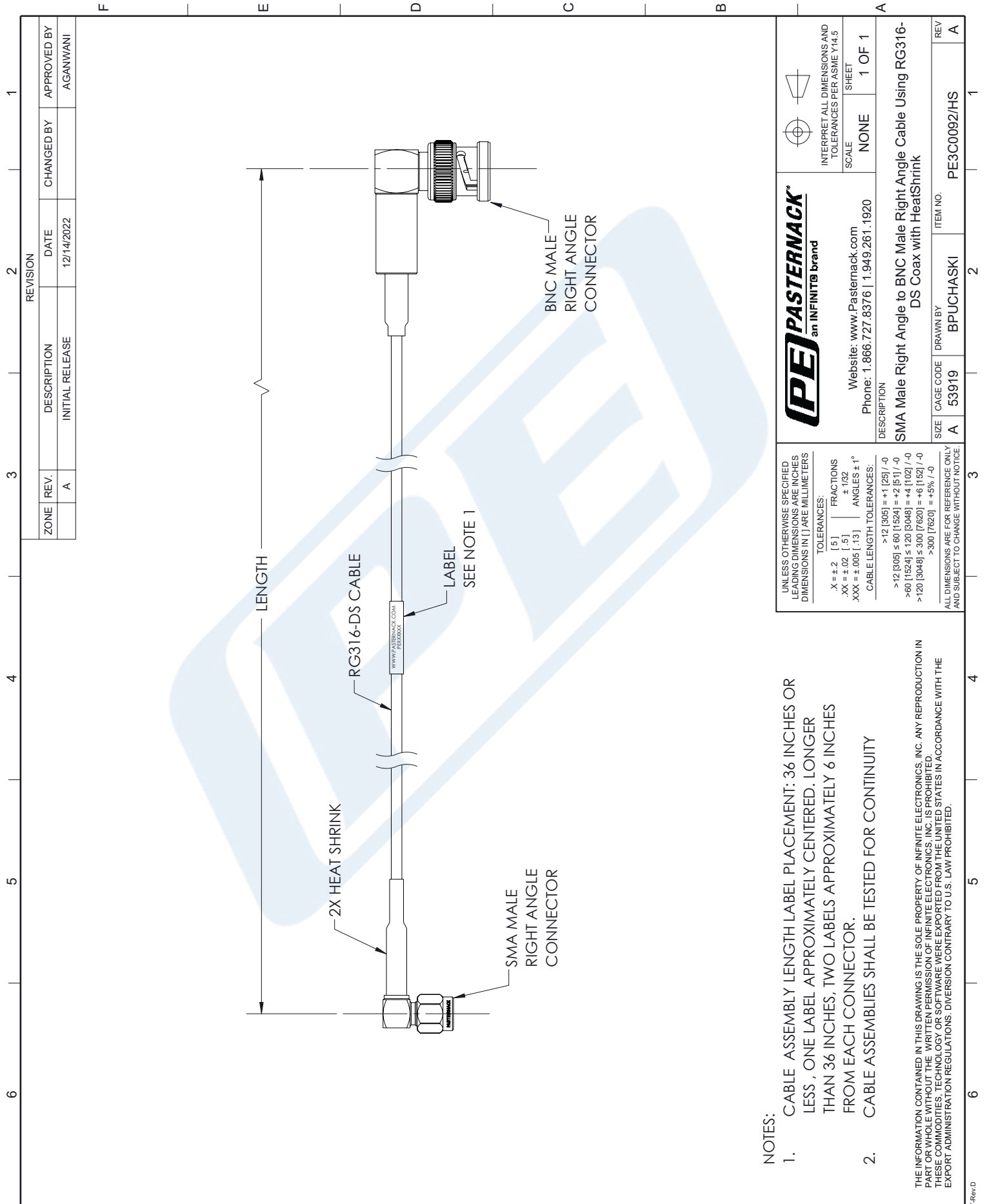
URL: <https://www.pasternack.com/sma-male-right-angle-to-bnc-male-cable-using-rg316-ds-with-heatshrink-pe3c0092-hs-p.aspx>

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.

PE3C0092/HS CAD Drawing

SMA Male Right Angle to BNC Male Right Angle Cable

Using RG316-DS Coax with HeatShrink



NOTES:

1. 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.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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PASTERNAK an INFINITE brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE NONE	SHEET 1 OF 1
DESCRIPTION SMA Male Right Angle to BNC Male Right Angle Cable Using RG316-DS Coax with HeatShrink			
SIZE A	CAGE CODE 53919	DRAWN BY BPUCHASKI	ITEM NO. PE3C0092/HS
REV A		1	

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 [91] / -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.