

75 Ohm SMB Plug to 75 Ohm BNC Male Cable Using 75 Ohm RG179 Coax



PE3C2992

Configuration

- Connector 1: SMB Plug
- Connector 2: BNC Male
- Cable Type: RG179
- Coax Flex Type: Flexible

Features

- 70% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C2992 75 ohm SMB plug to 75 ohm BNC male cable using 75 ohm RG179 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 SMB to BNC cable assembly has a plug to male gender configuration with 75 ohm flexible RG179 coax.

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		19.4 [63.65]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.051 lbs [23.13 g]

Cable

Cable Type	RG179
Impedance	75 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	0.1 in [2.54 mm]

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Repeated Minimum Bend Radius 0.4 in [10.16 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMB Plug	BNC Male
Specification	MIL-STD-348	
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Gold	Brass, Gold
Contact Plating Specification	MIL-G-45204	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum

Environmental Specifications

Operating Range Temperature -55 to +165 deg C

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

Plotted and Other Data

Notes:

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PE3C2992

Typical Performance Data

How to Order

Part Number Configuration:

PE3C2992

- **xx**

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

Example: PE3C2992-12 = 12 inches long cable
PE3C2992-100cm = 100 cm long cable

75 Ohm SMB Plug to 75 Ohm BNC Male Cable Using 75 Ohm RG179 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.

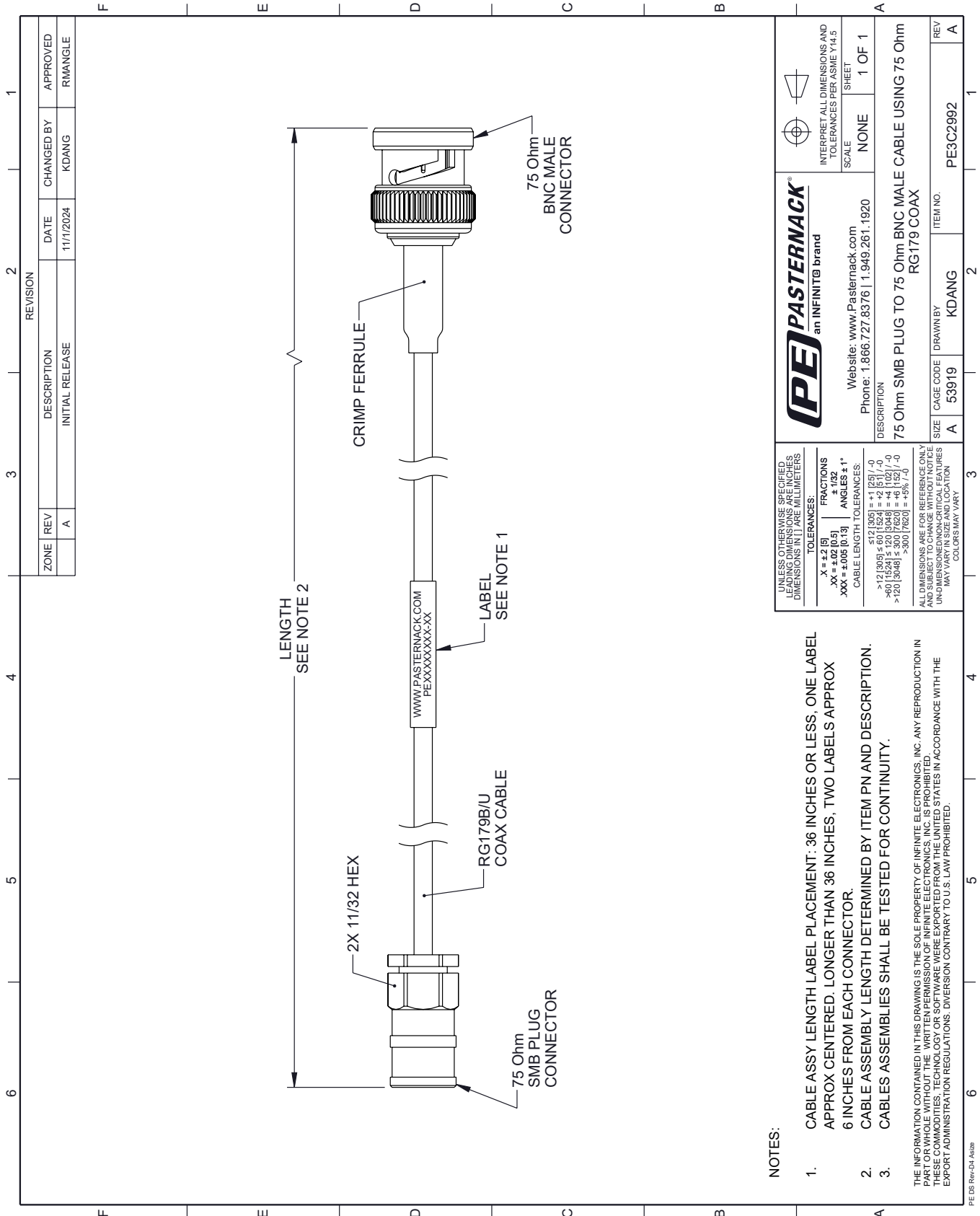
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Plug to 75 Ohm BNC Male Cable Using 75 Ohm RG179 Coax PE3C2992](https://www.pasternack.com/75-ohm-smb-plug-to-75-ohm-bnc-male-cable-using-rg179-pe3c2992-p.aspx)

URL: <https://www.pasternack.com/75-ohm-smb-plug-to-75-ohm-bnc-male-cable-using-rg179-pe3c2992-p.aspx>

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PE3C2992 CAD Drawing

75 Ohm SMB Plug to 75 Ohm BNC Male Cable Using 75 Ohm RG179 Coax



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	INITIAL RELEASE	RMANGLE
	A			

PE PASTERNAK
an INFINITB brand

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

DESCRIPTION: 75 Ohm SMB PLUG TO 75 Ohm BNC MALE CABLE USING 75 Ohm RG179 COAX

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE3C2992	A

- NOTES:**
- 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.
 - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- ALL DIMENSIONS ARE FOR REFERENCE ONLY
UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE MILLIMETERS
- TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]
- ANGLES ± 1°
- CABLE LENGTH TOLERANCES:
 <12 [305] ±.60 [1524] = ±.2 [51] / -0
 >12 [305] ±.60 [1524] = ±.4 [1027] / -0
 >20 [508] ±.30 [762] = ±.5% [12.7]
- UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE MILLIMETERS
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