

BNC Male Connector Crimp Attachment for LMR-100A, PE-B100, PE-C100, RG174, RG316, RG188, PE-C100-LSZH, LMR-100-FR, LMR-100A-PVC



PE51770

Configuration

- BNC Male Connector
- 50 Ohms
- Connector Interface Types: LMR-100A, PE-B100, PE-C100, RG174, RG316, RG188, PE-C100-LSZH, LMR-100-FR, LMR-100A-PVC, LMR-100A-UF

Features

- Max. Operating Frequency 4 GHz
- Excellent VSWR of 1.25:1
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51770 BNC Male Connector Crimp Attachment for LMR-100A, PE-B100, PE-C100, RG174, RG316, RG188, PE-C100-LSZH, LMR-100-FR, LMR-100A-PVC and LMR-100A-UF Cable is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 4 GHz and offers excellent VSWR of 1.25:1.

Our BNC male connector PE51770 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.25:1	
Insertion Loss			0.2	dB
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.894 in [22.71 mm]
Width	0.571 in [14.5 mm]
Height	0.571 in [14.5 mm]
Weight	0.025 lbs [11.34 g]
Mating Cycles	500 Cycles
Engagement Force	2.5lbs [1.13kg]
Disengagement Force	0.6lbs [272.16g]

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PE51770

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Contact Spring	Brass	Copper-Tin-Zinc Alloy
Insulation	Teflon	
Body	Brass	Copper-Tin-Zinc Alloy
Coupling Nut	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Crimp Sleeve	Brass	Copper-Tin-Zinc Alloy
Washer	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Humidity

MIL-STD-202, Method 106

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

BNC Male Connector Crimp Attachment for LMR-100A, PE-B100, PE-C100, RG174, RG316, RG188, PE-C100-LSZH, LMR-100-FR, LMR-100A-PVC 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 Connector Crimp Attachment for LMR-100A, PE-B100, PE-C100, RG174, RG316, RG188, PE-C100-LSZH, LMR-100-FR, LMR-100A-PVC PE51770](#)

URL: <https://www.pasternack.com/bnc-male-lmr-100a-pe-b100-rg174-rg316-rg188-connector-pe51770.html>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

BNC Male Connector Crimp Attachment for LMR-100A, PE-B100, PE-C100, RG174, RG316, RG188, PE-C100-LSZH, LMR-100-FR, LMR-100A-PVC

BNC Male Connector Crimp Attachment for LMR-100A, PE-B100, PE-C100, RG174, RG316, RG188, PE-C100-LSZH, LMR-100-FR, LMR-100A-PVC

Technical drawing of a BNC Male Connector Crimp Attachment (PE-C100-LSZH, LMR-100A, PE-B100, PE-C100, RG174, RG316, RG188, PE-C100-LSZH, LMR-100-FR, LMR-100A-PVC).

Dimensions (mm [in]):

- Overall Length: 89.4 [22.70]
- Body Length: 57.1 [14.50]
- Pin Length: 2.35 [0.093]
- Pin Diameter: 0.063 [1.60]

Assembly Instructions:

- Strip 1: Strip as shown.
- Slide Ferrule "C" over cable.
- Put Pin "B" on center conductor and crimp in "Y". (Use square 0.7mm/0.028inch section of insert-A)
- Loosen braiding and slide connector "A" in place.
- Slide Ferrule "C" towards the connector "A" and crimp. (Use 3.2mm/0.126inch hex section of insert-A)

Part Labels: A (Body), B (Contact Pin), C (Ferrule).

Revision Table:

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	9/4/2024	KDANG	DWANG

PE PASTERNAK® an INFINIT® brand

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DESCRIPTION: BNC MALE CONNECTOR CRIMP ATTACHMENT FOR LMR-100A, PE-B100, PE-C100, RG174, RG316, RG188, PE-C100-LSZH, LMR-100-FR, LMR-100A-PVC

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS (INCHES IN PARENTHESES). DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:

X = ±2 [5]	FRACTIONS	ANGLES ±1°
XX = ±0.05 [0.13]	+132	
XXX = ±0.05 [0.13]		

CABLE LENGTH TOLERANCES:

Cable Length	Tolerance
>12 [305] ≤ 60 [1524]	±1.52 [0.06]
>60 [1524] ≤ 120 [3048]	±2.54 [0.10]
>120 [3048] ≤ 300 [7620]	±5.08 [0.20]
>300 [7620]	±7.62 [0.30]

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. DIMENSIONS IN SIZE AND LOCATION MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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