



## BNC Male to UHF Female Cable 100 CM Length Using 53 Ohm RG55 Coax

### RF Cable Assemblies Technical Data Sheet

PE3C8015-100CM

#### Configuration

- Connector 1: BNC Male
- Connector 2: UHF Female
- Cable Type: RG55

#### Features

- 66% Phase Velocity
- Double Shielded
- PE Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C8015-100CM BNC male to UHF female 100 cm cable using 53 ohm RG55 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 UHF cable assembly has a male to female gender configuration with 53 ohm flexible RG55 coax. 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
VSWR			1.4:1	
Velocity of Propagation	66			%
Capacitance	28.8 [94.49]			pF/ft [pF/m]
Operating Voltage (DC)		500		Vdc

#### Mechanical Specifications

##### Cable Assembly

Length\*

39.37 in [100 cm]

##### Cable

Cable Type  
Impedance

RG55  
53 Ohms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to UHF Female Cable 100 CM Length Using 53 Ohm RG55 Coax PE3C8015-100CM](#)



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Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Tinned Copper Braid
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.202 in [5.13 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	BNC Male	UHF Female
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	30 $\mu$ in minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 $\mu$ in minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 $\mu$ in minimum	

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +80 deg C

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

#### Plotted and Other Data

Notes:

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### RF Cable Assemblies Technical Data Sheet

PE3C8015-100CM

#### How to Order

Part Number Configuration:

**PE3C8015**

- **xx**

**uu**

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

Example: PE3C8015-12 = 12 inches long cable  
PE3C8015-100cm = 100 cm long cable

BNC Male to UHF Female Cable 100 CM Length Using 53 Ohm RG55 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 to UHF Female Cable 100 CM Length Using 53 Ohm RG55 Coax PE3C8015-100CM](#)

URL: <https://www.pasternack.com/bnc-male-uhf-female-rg55bu-cable-assembly-pe3c8015-100cm-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.

# PE3C8015-100CM CAD Drawing

BNC Male to UHF Female Cable 100 CM Length Using 53 Ohm RG55 Coax

REVISIONS					
REV.	DESCRIPTION	DATE	APPROVED		
A	INITIAL RELEASE	4/15/2021	S.SELLIS		



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		THIRD-ANGLE PROJECTION
TOLERANCES:		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNACK CORPORATION ALL RIGHTS RESERVED.
X = ± 2 [5.08] FRACTIONS XX = ± .02 [5.51] ± 1/32 XXX = ± .005 [1.31] ANGLES ± 1°		Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a> E-mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>
CABLE LENGTH (L) TOLERANCES: L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5% L / -0		SHEET 1 OF 1 SCALE N/A ITEM NO. PE3C8015 DRAWN BY K.DANG CAGE CODE 53919 SIZE A
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		REV A

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