



BNC Male to UHF Female Cable 50 CM  
Length Using 53 Ohm RG55 Coax

RF Cable Assemblies Technical Data Sheet

PE3C8015-50CM

**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 PE3C8015-50CM BNC male to UHF female 50 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\* 19.68 in [499.87 mm]

**Cable**

Cable Type RG55  
Impedance 53 Ohms  
Inner Conductor Type Solid

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 50 CM Length Using 53 Ohm RG55 Coax PE3C8015-50CM](#)



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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 µin minimum	
Dielectric Type	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	

**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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**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 50 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 50 CM Length Using 53 Ohm RG55 Coax PE3C8015-50CM](https://www.pasternack.com/bnc-male-uhf-female-rg55bu-cable-assembly-pe3c8015-50cm-p.aspx)

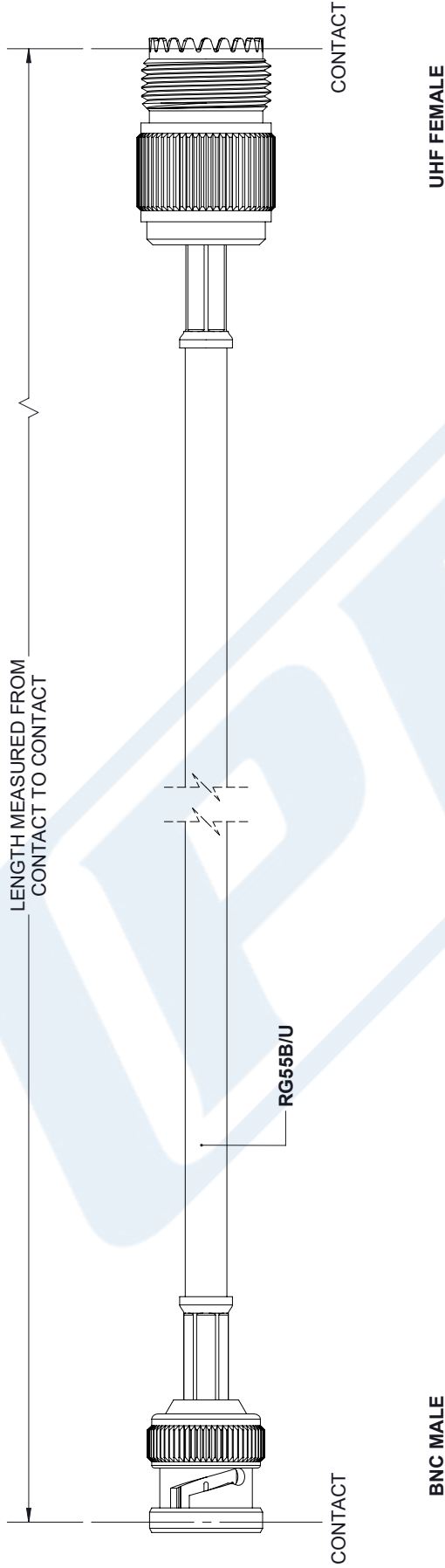
URL: <https://www.pasternack.com/bnc-male-uhf-female-rg55bu-cable-assembly-pe3c8015-50cm-p.aspx>

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.

# PE3C8015-50CM CAD Drawing

## BNC Male to UHF Female Cable 50 CM Length Using 53 Ohm RG55 Coax

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



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p><b>TOLERANCES:</b></p> <table style="width: 100%; border: none;"> <tr> <td>.X = ±.2</td> <td>[.08]</td> <td>FRACTIONS</td> <td></td> </tr> <tr> <td>.XX = ±.02</td> <td>[.51]</td> <td></td> <td>± 1/32</td> </tr> <tr> <td>.XXX = ±.005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> <td></td> </tr> </table> <p><b>CABLE LENGTH (L) TOLERANCES:</b></p> <table style="width: 100%; border: none;"> <tr> <td>L ≤ 12</td> <td>[305]</td> <td>= +1 [25] / -0</td> </tr> <tr> <td>12 [305] &lt; L ≤ 60</td> <td>[1524]</td> <td>= +2 [51] / -0</td> </tr> <tr> <td>60 [1524] &lt; L ≤ 120</td> <td>[3048]</td> <td>= +4 [102] / -0</td> </tr> <tr> <td>120 [3048] &lt; L ≤ 300</td> <td>[7620]</td> <td>= +6 [152] / -0</td> </tr> <tr> <td>300 [7620] &lt; L ≤ ∞</td> <td></td> <td>= +5% L / -0</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	.X = ±.2	[.08]	FRACTIONS		.XX = ±.02	[.51]		± 1/32	.XXX = ±.005	[.13]	ANGLES ± 1°		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	<p><b>THIRD-ANGLE PROJECTION</b></p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>	<p><b>PE PASTERNAK</b> an INFINITO brand</p> <p>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: www.pasternack.com E-mail: sales@pasternack.com</p> <p>ITEM NO. PE3C8015</p> <p>SIZE A CAGE CODE 53919 DRAWN BY K.DANG</p> <p>REV A</p>
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