



## BNC Male to BNC Male Cable 120 Inch Length Using RG223 Coax

### RF Cable Assemblies Technical Data Sheet

PE3087-120

#### Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: RG223

#### Electrical Specifications

| Description             | Minimum | Typical       | Maximum | Units        |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range         | DC      |               | 4       | GHz          |
| Velocity of Propagation |         | 66            |         | %            |
| Capacitance             |         | 30.8 [101.05] |         | pF/ft [pF/m] |
| Operating Voltage (AC)  |         |               | 500     | Vrms         |

#### Specifications by Frequency

| Description           | F1  | F2   | F3  | F4  | F5  | Units |
|-----------------------|-----|------|-----|-----|-----|-------|
| Frequency             | 0.1 | 0.25 | 0.5 | 1   | 4   | GHz   |
| Insertion Loss (Max.) | 0.6 | 1    | 1.1 | 1.5 | 3.1 | dB    |

#### Mechanical Specifications

##### Cable Assembly

|          |                      |
|----------|----------------------|
| Length*  | 120 in [304.8 cm]    |
| Diameter | 0.571 in [14.5 mm]   |
| Weight   | 0.305 lbs [138.35 g] |

##### Cable

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | RG223                      |
| Impedance                            | 50 Ohms                    |
| Inner Conductor Type                 | Solid                      |
| Inner Conductor Material and Plating | Copper, Silver             |
| Dielectric Type                      | PE                         |
| Number of Shields                    | 2                          |
| Shield Layer 1                       | Silver Plated Copper Braid |
| Shield Layer 2                       | Silver Plated Copper Braid |

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 BNC Male Cable 120 Inch Length Using RG223 Coax PE3087-120](#)



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|                              |                    |
|------------------------------|--------------------|
| Jacket Material              | PVC, Black         |
| Jacket Diameter              | 0.209 in [5.31 mm] |
| Repeated Minimum Bend Radius | 1 in [25.4 mm]     |

#### Connectors

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

#### Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

#### Environmental Specifications

##### Temperature

Operating Range -40 to +80 deg C

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

#### Plotted and Other Data

##### Notes:

- Values at 25°C, sea level.

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 BNC Male Cable 120 Inch Length Using RG223 Coax PE3087-120](#)



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#### How to Order

Part Number Configuration:

PE3087

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3087-12 = 12 inches long cable  
PE3087-100cm = 100 cm long cable

BNC Male to BNC Male Cable 120 Inch Length Using RG223 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.

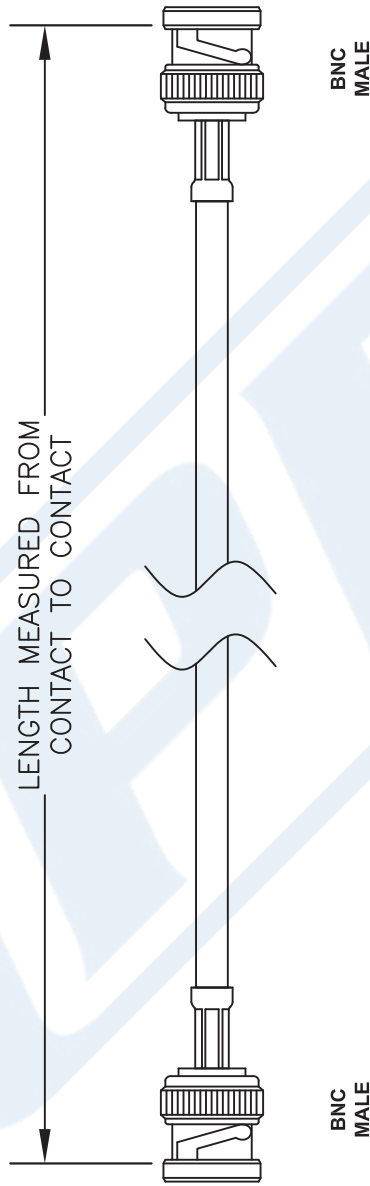
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Male Cable 120 Inch Length Using RG223 Coax PE3087-120](https://www.pasternack.com/bnc-male-bnc-male-rg223u-cable-assembly-pe3087-120-p.aspx)

URL: <https://www.pasternack.com/bnc-male-bnc-male-rg223u-cable-assembly-pe3087-120-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.

# PE3087-120 CAD Drawing

## BNC Male to BNC Male Cable 120 Inch Length Using RG223 Coax



**STANDARD TOLERANCES**

- .X ±0.2
- .XX ±0.1
- .XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

**PE3087**

FSCM NO. 53919

NOTES:  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE 102016

SCALE N/A

SIZE A

41742