



BNC Male Right Angle to BNC Male Right Angle  
Cable Using RG223 Coax, RoHS

TECHNICAL DATA SHEET

PE3816LF

**Configuration**

|             |                      |
|-------------|----------------------|
| Connector 1 | BNC Male Right Angle |
| Connector 2 | BNC Male Right Angle |
| Cable Type  | RG223                |

**Electrical Specifications**

|                           |             |
|---------------------------|-------------|
| Frequency Range           | DC to 4 GHz |
| Impedance                 | 50 Ohms     |
| Maximum VSWR              | 1.4:1       |
| Velocity of Propagation   | 66 %        |
| Maximum Operating Voltage | 1,900 Vrms  |

**Mechanical Specifications**

**Temperature**

|                             |                  |
|-----------------------------|------------------|
| Temperature Operating Range | -20 to +80 deg C |
|-----------------------------|------------------|

**Size**

|                              |                     |
|------------------------------|---------------------|
| Weight                       | 0.148 lbs [67.13 g] |
| Cable Color                  | Black               |
| One Time Minimum Bend Radius | 1 in [25.4 mm]      |

**Cable**

|                       |                   |
|-----------------------|-------------------|
| Cable Type            | RG223             |
| Inner Conductor Type  | Solid             |
| Cable Inner Conductor | Copper, Silver    |
| No of Shields         | 2                 |
| Dielectric Type       | PE                |
| Jacket Material       | PVC               |
| Jacket Diameter       | 0.21 in [5.33 mm] |

**Connector 1**

|                                       |                      |
|---------------------------------------|----------------------|
| Type                                  | BNC Male Right Angle |
| Connector 1 Specification             | MIL-STD-348A         |
| Configuration                         | Right Angle          |
| Inner Conductor Plating Specification | 30μ in. minimum      |
| Coupling Nut Plating Specification    | 100μ in. minimum     |
| Body Material and Plating             | Brass, Nickel        |
| Body Plating Specification            | 100μ in. minimum     |

**Connector 2**

|                                       |                      |
|---------------------------------------|----------------------|
| Type                                  | BNC Male Right Angle |
| Connector 2 Specification             | MIL-STD-348A         |
| Configuration                         | Right Angle          |
| Inner Conductor Material and Plating  | Brass, Gold          |
| Inner Conductor Plating Specification | 30μ in. minimum      |
| Coupling Nut Material and Plating     | Brass, Nickel        |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to BNC Male Right Angle Cable Using RG223 Coax, RoHS PE3816LF](#)



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|                                    |                  |
|------------------------------------|------------------|
| Coupling Nut Plating Specification | 100μ in. minimum |
| Body Material and Plating          | Brass, Nickel    |
| Body Plating Specification         | 100μ in. minimum |
| Dielectric Type                    | Teflon           |

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                               |            |
|-------------------------------|------------|
| RoHS Compliant                | Yes        |
| REACH Compliant               | 12/19/2011 |
| Notes:                        |            |
| • Values at +25 °C, sea level |            |

BNC Male Right Angle to BNC Male Right Angle Cable Using RG223 Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

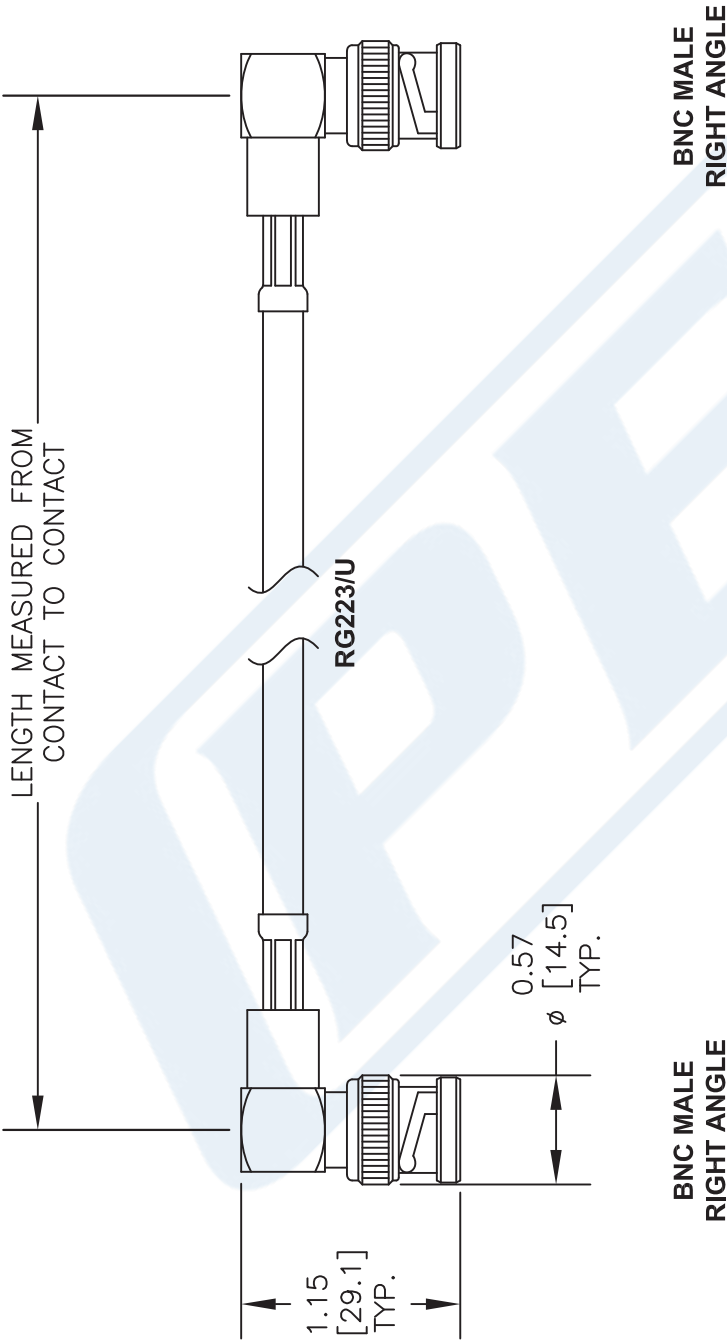
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to BNC Male Right Angle Cable Using RG223 Coax, RoHS PE3816LF](http://www.pasternack.com/bnc-male-bnc-male-rg223u-cable-assembly-pe3816lf-p.aspx)

URL: <http://www.pasternack.com/bnc-male-bnc-male-rg223u-cable-assembly-pe3816lf-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.

PE3816LF CAD Drawing

BNC Male Right Angle to BNC Male Right Angle Cable Using RG223 Coax, RoHS



| How To Order                       |  | Part # Ext. | Length In Inches | Part # Ext. | Length In Centimeters |
|------------------------------------|--|-------------|------------------|-------------|-----------------------|
| Part Number Configuration          |  | Examples    |                  |             |                       |
| PE3 [zzz] [yy] - [xx] [uu]         |  | -12         | 12"              | -25CM       | 25Cm                  |
|                                    |  | -24         | 24"              | -50CM       | 50Cm                  |
|                                    |  | -36         | 36"              | -75CM       | 75Cm                  |
|                                    |  | -48         | 48"              | -100CM      | 100Cm                 |
|                                    |  | -60         | 60"              | -125CM      | 125Cm                 |
| 00 - 99999                         |  |             |                  |             |                       |
| LF = RoHS Compliant                |  |             |                  |             |                       |
| < Blank > = Standard               |  |             |                  |             |                       |
| Note: LF applies only to RF cables |  |             |                  |             |                       |
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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].  
4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE3816LF**

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**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.

2233

SIZE A

SCALE N/A

CAD FILE 080514

FSCM NO. 53919