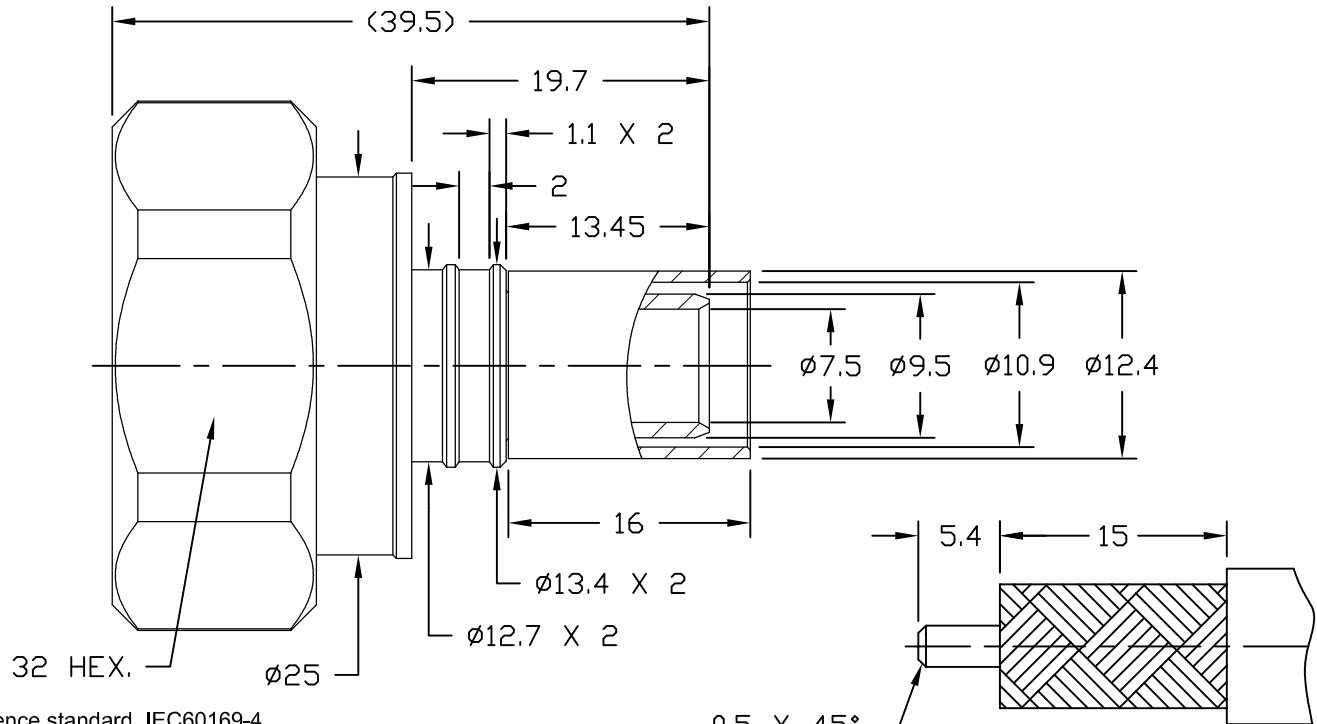


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| SYM | REVISION DESCRIPTION    | DFTM   | DATE    | APPD   | DATE    |
|-----|-------------------------|--------|---------|--------|---------|
| A   | RELEASED FOR PRODUCTION | K.A.M. | 2/12/10 | J.D.B. | 3/1/10  |
| B   | CHANGED PER CDC #35214  | D.J.H. | 7/16/12 | J.D.B. | 7/25/12 |



Reference standard IEC60169-4

#### I. Electric Performance

|                            |  |
|----------------------------|--|
| Nominal Impedance(Ω):      | 50   |
| Frequency Range:           | DC-3GHz                                      |
| VSWR                       | ≤1.15  |
| INSERT LOSS:               | ≤ 0.05                                       |
| Insulation resistance (MΩ) | ≥10000                                       |
| Proof voltage (V)          | 2500   |
| Conductor resistance (mΩ)  | outer conductor <0.2<br>inner conductor <0.8 |

#### II. Mechanical Performance

|                              |       |
|------------------------------|-------|
| Pin torque                   | 25N.m |
| (Nut)Whorl pull              | 1000N |
| Tensile force(cable-connect) | 400N  |
| Torsion(cable-connect)       | 2N.m  |

#### III. Material and plating

| Component       | Material        | Plating                                   |
|-----------------|-----------------|---|
| Inner conductor | Spring Copper   | Ag 200 micro inches                       |
| Outer conductor | Brass           | Copper-tin-zin (Albaloy) 150 micro inches |
| Ferrule         | copper          | Copper-tin-zin (Albaloy) 150 micro inches |
| Nut             | Brass           | Copper-tin-zin (Albaloy) 150 micro inches |
| Gasket          | Silicone rubber |   |
| Insulator       | PTFE            |   |

#### IV. Environment

|                        |                                |
|------------------------|--------------------------------|
| Temp.range             | -55°C~+155°C                   |
| Weather standard       | IEC 60068 55 / 155/ 56         |
| Thermal shock          | US MIL-STD 202,Meth.107,Cond.B |
| Vibration              | US MIL-STD 202,Meth.204,Cond.B |
| Shock                  | US MIL-STD 202,Meth.213,Cond.I |
| Waterproofing standard | IP67                           |

#### V. Assembly: inner conductor installed and outer conductor crimped

#### VI. ROHS Compliant.

|                      |  |                |   |
|----------------------|--|----------------|---|
| MATL:                | UNLESS OTHERWISE SPECIFIED   | DFTM. K. A. M. | TIMES MICROWAVE SYSTEMS   |
|                      |  | DATE 2/12/10   |   |
| USED ON: 1-1         | ALL DIMENSIONS ARE IN mm<br>MACHINED SURFACES FINISH N/A RMS MAX.<br>REMOVE ALL BURRS N/A MAX. BREAK<br>MACHINE CORNERS N/A MAX. FILLET R.<br>TOLERANCES ON DECIMALS<br>.XX ± N/A .XXX ± N/A<br>ANGLES ± N/A FRACTIONS ± N/A | CHKD. J. D. B. | <b>EZ-400-716M-X</b><br>7/16 MALE FOR LMR-400 CABLE<br>EZ/CRIMP/NO BRAID TRIM |
|                      |  | DATE 3/1/10    |   |
| SCALE: N/A           | DWG. SIZE A  | APPD. J. D. B. | SHEET 1 of 1 SD3190-2524 REV B  |
| DO NOT SCALE DRAWING | CODE IDENT 68999   | DATE 3/1/10    |   |



N Female Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch

## RF Connectors Technical Data Sheet

PE44534

### Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch Interface Type
- Crimp/Solder Attachment

### Features

- Max. Operating Frequency 11 GHz
- Gold Plated Phosphor Bronze Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44534 type N female connector with crimp/solder attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF and 0.400 inch is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 11 GHz.

Our type N female connector PE44534 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      |         | 11      | GHz   |

### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 1.57 in [39.88 mm]  |
| Width/Dia.  | 0.67 in [17.02 mm]  |
| Weight      | 0.071 lbs [32.21 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch PE44534](#)



N Female Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch

## RF Connectors Technical Data Sheet

PE44534

### Material Specifications

| Description | Material        | Plating   |
|-------------|-----------------|-----------|
| Contact     | Phosphor Bronze | Gold      |
| Insulation  | PTFE            |           |
| Body        | Brass           | Tri-Metal |

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 deg C

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

### Plotted and Other Data

Notes:

N Female Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch 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.

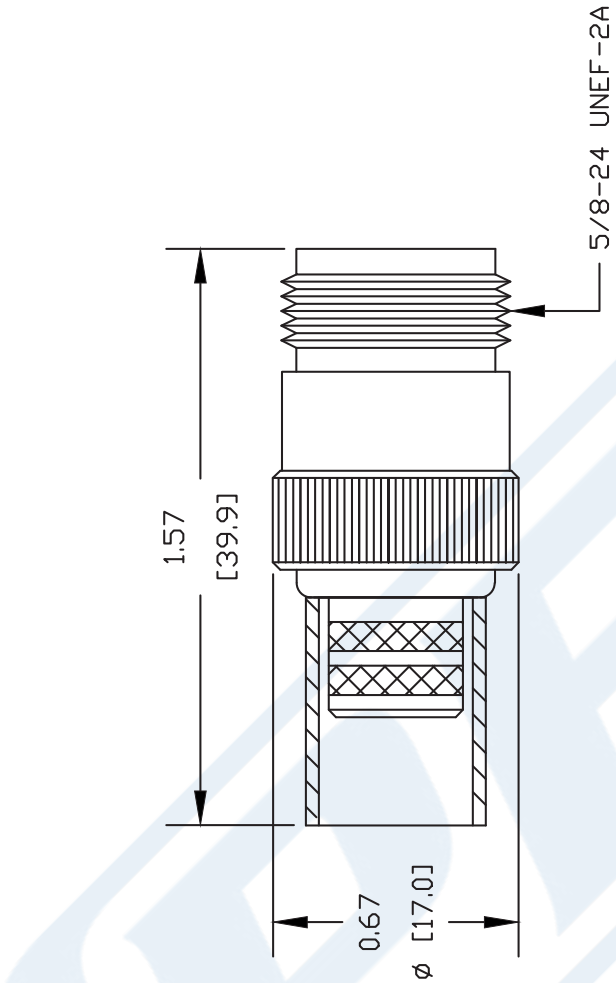
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URL: <https://www.pasternack.com/n-female-standard-pe-c400-0.400-connector-pe44534-p.aspx>

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.

# PE44534 CAD Drawing

N Female Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch



STRIPPING DIMENSIONS

## CRIMP SIZES REQUIRED

CONTACT: .118" HEX CRIMP TOOL  
FERRULE: .429" HEX CRIMP TOOL

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. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE  
**PE44534**

|        |                |                 |           |        |      |
|--------|----------------|-----------------|-----------|--------|------|
| REV. B | FSCM NO. 53919 | CAD FILE 081811 | SCALE N/A | SIZE A | 2231 |
|--------|----------------|-----------------|-----------|--------|------|

**PASTERNAK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)



Flexible RG8 Type with Foam Dielectric Coax Cable  
Double Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

PE-B400

Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC Jacket

**Configuration**

|                                      |                                    |
|--------------------------------------|------------------------------------|
| Inner Conductor Material and Plating | Copper                             |
| Dielectric Type                      | PE (F)                             |
| Shield Materials                     | Aluminum Tape, Tinned Copper Braid |
| Jacket Material and Color            | PVC, Black                         |

**Electrical Specifications**

|                                  |           |
|----------------------------------|-----------|
| Impedance, Ohms                  | 50        |
| Maximum Operating Frequency, GHz | 4         |
| Capacitance, pF/ft [pF/m]        | 26 [85.3] |
| Maximum Operating Voltage, Volts | 600       |

**Electrical Specifications by Frequency**

**Frequency 1**

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 10         |
| Attenuation, dB/100ft [dB/100m] | 0.5 [1.64] |
| Power Handling, KWatts          | 3          |

**Frequency 2**

|                                 |             |
|---------------------------------|-------------|
| Frequency, MHz                  | 400         |
| Attenuation, dB/100ft [dB/100m] | 3.5 [11.48] |
| Power Handling, Watts           | 325         |

**Frequency 3**

|                                 |          |
|---------------------------------|----------|
| Frequency, MHz                  | 700      |
| Attenuation, dB/100ft [dB/100m] | 5 [16.4] |
| Power Handling, Watts           | 225      |

**Frequency 4**

|                                 |           |
|---------------------------------|-----------|
| Frequency, MHz                  | 1000      |
| Attenuation, dB/100ft [dB/100m] | 6 [19.69] |
| Power Handling, Watts           | 190       |

**Frequency 5**

|                                 |            |
|---------------------------------|------------|
| Frequency, GHz                  | 4          |
| Attenuation, dB/100ft [dB/100m] | 13 [42.65] |
| Power Handling, Watts           | 65         |

**Mechanical Specifications**

**Temperature**

|                        |            |
|------------------------|------------|
| Operating Range, deg C | -40 to +80 |
|------------------------|------------|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC Jacket PE-B400](#)

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Flexible RG8 Type with Foam Dielectric Coax Cable  
Double Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

PE-B400

**Inner Conductor**

|                   |              |
|-------------------|--------------|
| Number of Strands | 1            |
| Material          | Copper       |
| Diameter, in [mm] | 0.103 [2.62] |

**Dielectric:**

|                   |              |
|-------------------|--------------|
| Type              | PE (F)       |
| Diameter, in [mm] | 0.285 [7.24] |

**Shield:**

|            |                     |
|------------|---------------------|
| Number of  | 2                   |
| Material 1 | Aluminum Tape       |
| Material 2 | Tinned Copper Braid |

**Jacket:**

|                       |               |
|-----------------------|---------------|
| Material              | PVC           |
| Diameter, in [mm]     | 0.403 [10.24] |
| Color                 | Black         |
| Weight, lbs/ft [Kg/m] | 0.112 [0.17]  |

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

**Plotted and Other Data**

|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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: [Flexible RG8 Type with Foam Dielectric Coax Cable Double Shielded with Black PVC Jacket PE-B400](http://www.pasternack.com/flexible-0.403-rg8-type-50-ohm-coax-cable-pvc-jacket-pe-b400-p.aspx)

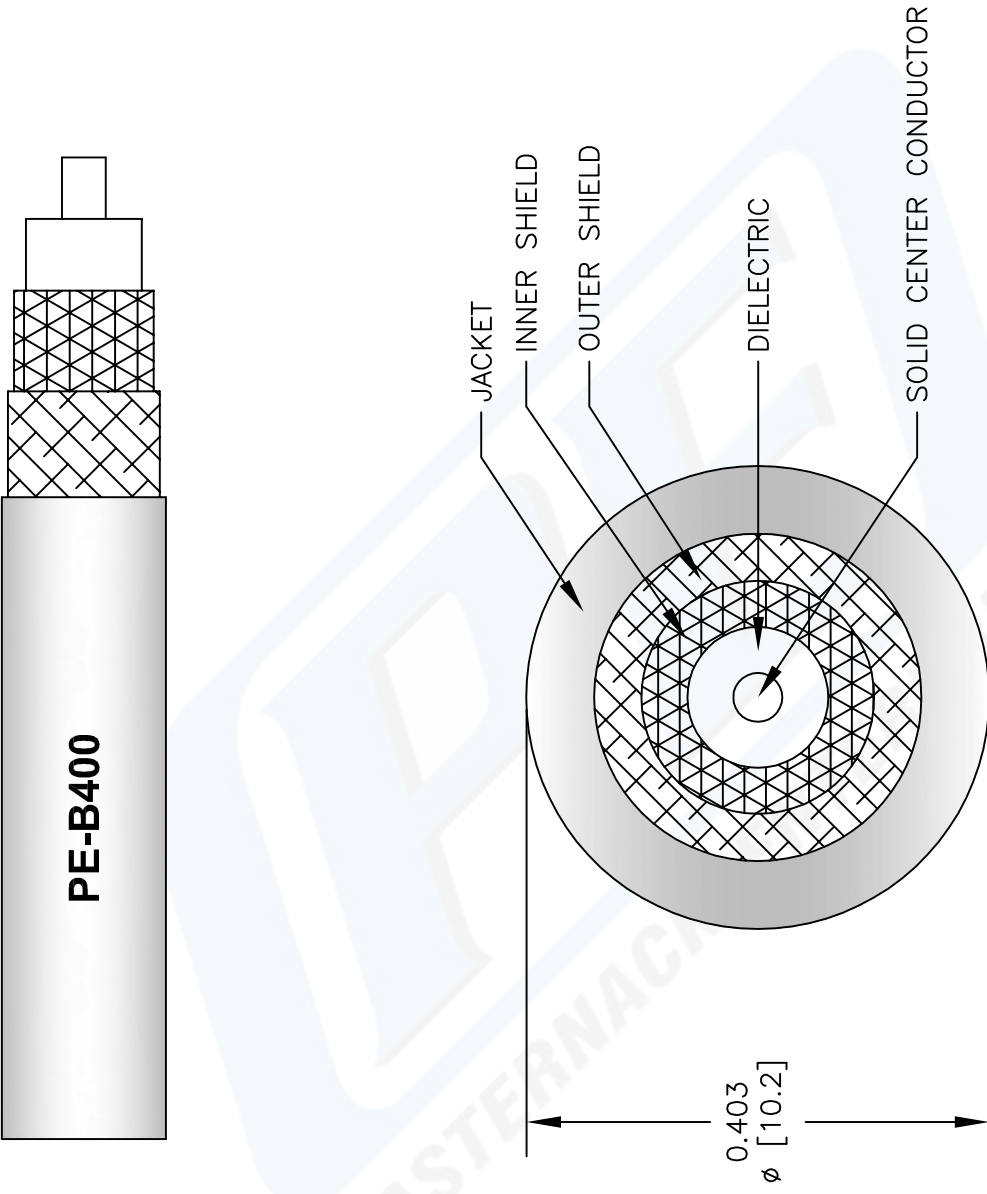
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# PE-B400 CAD Drawing

Flexible RG8 Type with Foam Dielectric Coax Cable  
Double Shielded with Black PVC Jacket



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DWG TITLE  
**PE-B400**

FSCM NO. 53919

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