



UHF Male Connector Crimp/Solder Attachment for PE-B400, PE-B405, PE-C400, LMR-400, 0.400 inch

## RF Connectors Technical Data Sheet

**PE44054**

### Configuration

- UHF Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-B400, PE-B405, PE-C400, LMR-400, 0.400 inch Interface Type
- Crimp/Solder Attachment

### Features

- Gold Plated Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44054 UHF male connector with crimp/solder attachment for PE-B400, PE-B405, PE-C400, LMR-400 and 0.400 inch is part of our full line of RF components available for same-day shipping.

Our UHF male connector PE44054 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.

### Mechanical Specifications

#### Size

|            |                    |
|------------|--------------------|
| Length     | 1.35 in [34.29 mm] |
| Width/Dia. | 0.7 in [17.78 mm]  |
| Weight     | 0.041 lbs [18.6 g] |

#### Material Specifications

| Description  | Material | Plating |
|--------------|----------|---------|
| Contact      |          | Gold    |
| Insulation   | PTFE     |         |
| Body         | Brass    | Nickel  |
| Coupling Nut | Brass    | Nickel  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male Connector Crimp/Solder Attachment for PE-B400, PE-B405, PE-C400, LMR-400, 0.400 inch PE44054](#)



UHF Male Connector Crimp/Solder Attachment for PE-B400, PE-B405, PE-C400, LMR-400, 0.400 inch

## RF Connectors Technical Data Sheet

**PE44054**

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

### Plotted and Other Data

Notes:

UHF Male Connector Crimp/Solder Attachment for PE-B400, PE-B405, PE-C400, LMR-400, 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male Connector Crimp/Solder Attachment for PE-B400, PE-B405, PE-C400, LMR-400, 0.400 inch PE44054](#)

URL: <https://www.pasternack.com/uhf-male-pe-b400-pe-b405-lmr-400-uf-connector-pe44054-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.

PE44054 CAD Drawing

UHF Male Connector Crimp/Solder Attachment for PE-  
B400, PE-B405, PE-C400, LMR-400, 0.400 inch



CRIMP SIZE REQUIRED

CONTACT: SOLDER  
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  
**PE44054**

**PE PASTERNAK®**  
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|        |                |                 |           |        |     |
|--------|----------------|-----------------|-----------|--------|-----|
| REV. A | FSCM NO. 53919 | CAD FILE 050609 | SCALE N/A | SIZE A | 127 |
|--------|----------------|-----------------|-----------|--------|-----|

## RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF



### PE44470

#### Configuration

- N Plug Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF

#### Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact
- Reverse Polarity

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE44470 RP type N plug connector with crimp/solder attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF is part of our full line of RF components available for same-day shipping. The plug reverse polarity configuration uses a plug connector body with a female inner contact receptacle. Our type N plug connector operates up to a maximum frequency of 11 GHz.

Our reverse polarity type N plug connector PE44470 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   |
| Insertion Loss                       |         |         | 0.2     | dB    |
| Operating Voltage (DC)               |         |         | 1,500   | Vdc   |
| Dielectric Withstanding Voltage (AC) |         |         | 2,500   | Vrms  |
| Impedance                            |         | 50      |         | Ohms  |

#### Mechanical Specifications

##### Size

|        |                     |
|--------|---------------------|
| Length | 1.465 in [37.21 mm] |
| Width  | 0.83 in [21.08 mm]  |
| Height | 0 in [0 mm]         |
| Weight | 0.078 lbs [35.38 g] |

#### Material Specifications

| Description  | Material | Plating |
|--------------|----------|---------|
| Contact      | Brass    | Gold    |
| Insulation   | PTFE     |         |
| Body         | Brass    | Nickel  |
| Coupling Nut | Brass    | Nickel  |

RP-N Plug Connector Crimp/Solder Attachment for PE-C400,  
PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF



## PE44470

### Environmental Specifications

#### Temperature

Operating Range

-55 to +85 deg C

Vibration

MIL-Std. 202 Method 204 (Test Condition B)

Altitude

MIL-Std. 202 Method 105 (Test Condition C)

Temperature Cycle

MIL-Std. 202 Method 102 (Test Condition C) All N-type Connectors are Weatherproof

Environmental Specification Notes:

Moisture Resistance: MIL-Std. 202 Method 106 (Test Condition B) ; Corrosion: MIL-Std. 202 Method 101 (Test Condition C)

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

### Plotted and Other Data

Notes:

RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF 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.

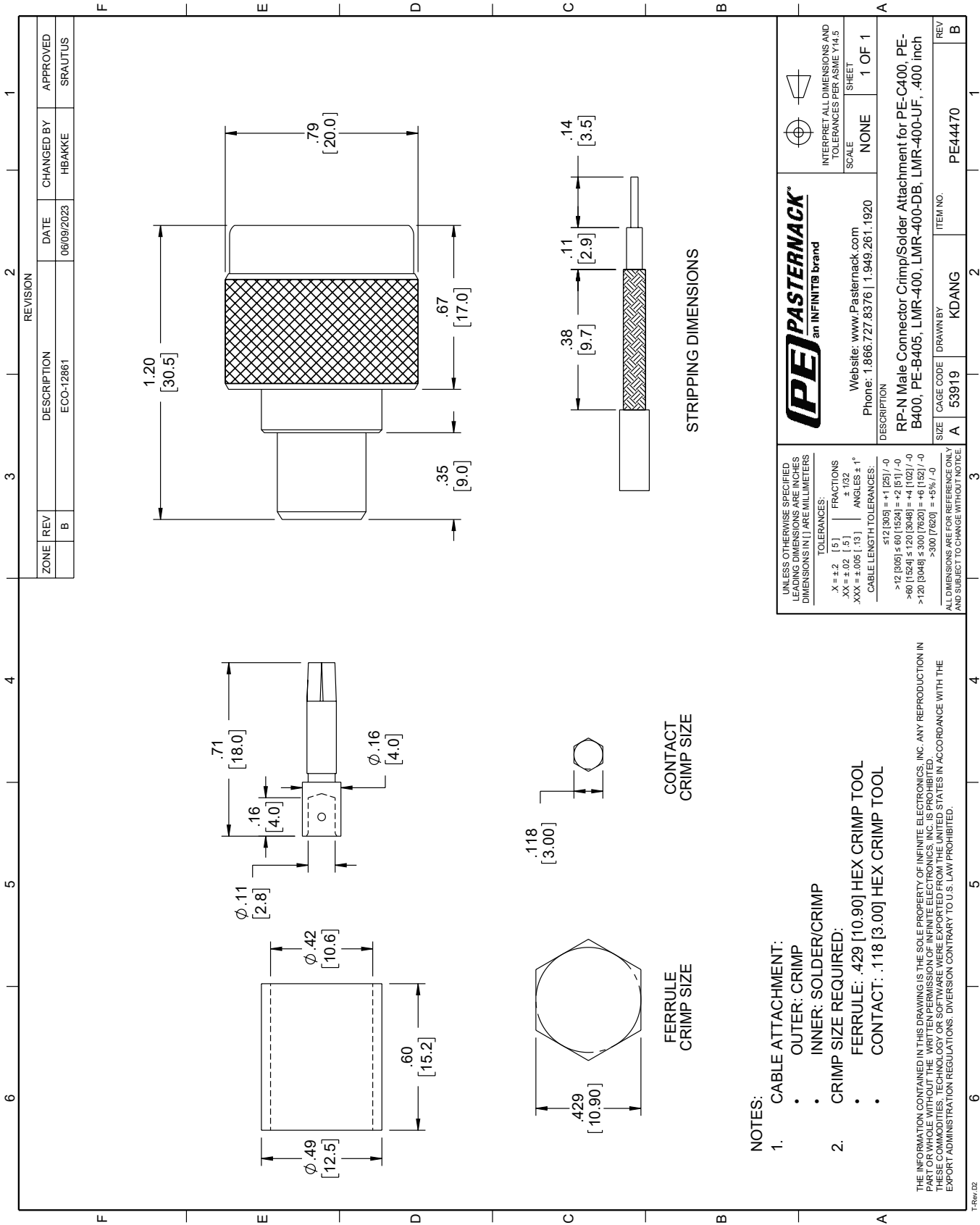
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF PE44470](#)

URL: <https://www.pasternack.com/n-male-reverse-polarity-pe-b400-pe-b405-pe-c400-connector-pe44470-p.aspx>

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PE44470 CAD Drawing

RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF



## Low Loss Flexible LMR-400-UF Indoor/Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket



### LMR-400-UF

#### Times Microwave Systems Coax Cable Specification

##### Configuration

- Low Loss, Indoor/Outdoor Flexible Cable
- 2 Shield(s)

##### Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 85% VoP

##### Applications

- Laboratory Applications
- General Purpose RF Interconnect

##### Description

LMR-400-UF part number from Pasternack is a LMR-400-UF coax cable that is flexible. Pasternack LMR-400-UF flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-400-UF coax is constructed with a 0.405 jacket made of TPE. LMR-400-UF coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-400-UF coax cable has an attenuation at 1 GHz of 5 dB.

Pasternack LMR-400-UF coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-400-UF cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-400-UF or other coax can be built and shipped same day as well.

#### Electrical Specifications

| Description                          | Minimum | Typical      | Maximum | Units        |
|--------------------------------------|---------|--------------|---------|--------------|
| Frequency Range                      | DC      |              | 8       | GHz          |
| Cutoff Frequency                     |         | 16.2         |         | GHz          |
| Impedance                            |         | 50           |         | Ohms         |
| Velocity of Propagation              |         | 85           |         | %            |
| Time Delay                           |         | 1.2 [3.94]   |         | ns/ft [ns/m] |
| Shielding Effectiveness              | 90      |              |         | dB           |
| Dielectric Withstanding Voltage (DC) |         |              | 2,500   | Vdc          |
| Jacket Spark                         |         |              | 8,000   | Vrms         |
| Inner Conductor DC Resistance        |         |              | 1.07    | Ohms/1000ft  |
| Outer Conductor DC Resistance        |         |              | 1.65    | Ohms/1000ft  |
| Nominal Capacitance                  |         | 23.9 [78.41] |         | pF/ft [pF/m] |
| Nominal Inductance                   |         | 0.06 [0.2]   |         | uH/ft [uH/m] |
| Input Power (Peak)                   |         |              | 16      | kWatts       |

## Low Loss Flexible LMR-400-UF Indoor/Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket



### LMR-400-UF

#### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4    | F5    | Units    |
|-----------------------|-------|-------|-------|-------|-------|----------|
| Frequency             | 50    | 150   | 220   | 450   | 900   | MHz      |
| Attenuation, Typ      | 1.1   | 1.8   | 2.2   | 3.3   | 4.7   | dB/100ft |
|                       | 3.61  | 5.91  | 7.22  | 10.83 | 15.42 | dB/100m  |
| Input Power (CW), Max | 2,140 | 1,220 | 1,000 | 690   | 480   | Watts    |

| Description           | F6    | F7    | F8    | F9    | F10   | Units    |
|-----------------------|-------|-------|-------|-------|-------|----------|
| Frequency             | 1.5   | 1.8   | 2     | 2.5   | 5.8   | GHz      |
| Attenuation, Typ      | 6.2   | 6.8   | 7.2   | 8.1   | 13    | dB/100ft |
|                       | 20.34 | 22.31 | 23.62 | 26.57 | 42.65 | dB/100m  |
| Input Power (CW), Max | 360   | 330   | 310   | 280   | 170   | Watts    |

#### Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.405 in [10.29 mm]      |
| Weight                          | 0.087 lbs/ft [0.13 kg/m] |
| Min. Bend Radius (Installation) | 1 in [25.4 mm]           |
| Min. Bend Radius (Repeated)     | 4 in [101.6 mm]          |
| Bending Moment                  | 0.38 lbs-ft [0.52 N-m]   |
| Tensile Strength                | 160 lbs [72.57 kg]       |
| Flat Plate Crush                | 20 lbs/in [0.36 kg/mm]   |

#### Construction Specifications

| Description     | Material and Plating | Diameter            |
|-----------------|----------------------|---------------------|
| Inner Conductor | Copper, Strand       | 0.108 in [2.74 mm]  |
| Conductor Type  | Stranded             |                     |
| Dielectric      | PE (F)               | 0.285 in [7.24 mm]  |
| First Shield    | Aluminum Tape        |                     |
| Second Shield   | Tinned Copper Braid  |                     |
| Jacket          | TPE, Black           | 0.405 in [10.29 mm] |

#### Environmental Specifications

|                    |                  |
|--------------------|------------------|
| <b>Temperature</b> |                  |
| Operating Range    | -40 to +85 deg C |
| Storage Range      | -70 to +85 deg C |

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

#### Plotted and Other Data

Notes:

## Low Loss Flexible LMR-400-UF Indoor/Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket



### LMR-400-UF

Low Loss Flexible LMR-400-UF Indoor/Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket 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.

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URL: <https://www.pasternack.com/50-ohm-low-loss-flexible-lmr400uf-tpe-jacket-double-shielded-lmr-400-uf-p.aspx>

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