



BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

## RF Connectors Technical Data Sheet

**PE4016**

### Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

### Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4016 BNC male connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and .195 inch is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.5:1.

Our BNC male connector PE4016 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      |         | 4       | GHz   |
| VSWR                   |         |         | 1.5:1   |       |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

### Mechanical Specifications

#### Size

|            |                     |
|------------|---------------------|
| Length     | 1.13 in [28.7 mm]   |
| Width/Dia. | 0.571 in [14.50 mm] |
| Weight     | 0.027 lbs [12.25 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch PE4016](#)



BNC Male Connector Crimp/Solder Attachment for RG58,  
RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

## RF Connectors Technical Data Sheet

**PE4016**

### Material Specifications

| Description  | Material | Plating                  |
|--------------|----------|--------------------------|
| Contact      | Brass    | Gold<br>30 µin minimum   |
| Insulation   | PTFE     |                          |
| Body         | Brass    | Nickel<br>90 µin minimum |
| Coupling Nut | Brass    | Nickel                   |
| Gasket       | Silicone |                          |
| Crimp Sleeve | Brass    | Nickel                   |

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 deg C

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

### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch PE4016](#)

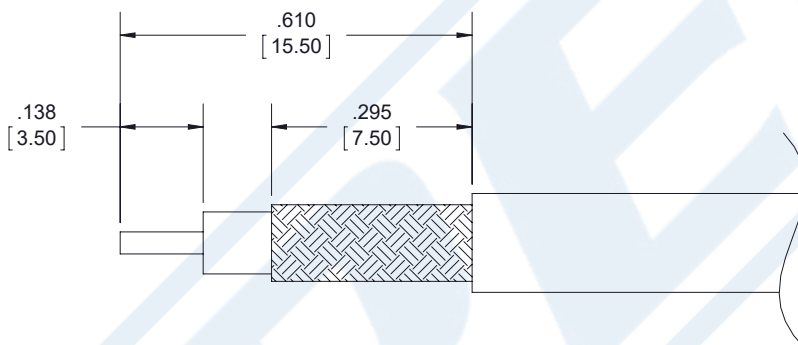


BNC Male Connector Crimp/Solder Attachment for RG58,  
RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

## RF Connectors Technical Data Sheet

**PE4016**

### Assembly Instruction



### ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND CRIMP WITH CRIMP TOOL.
3. FLARE BRAID AND INSERT THE BODY UNTIL IT SEATS.
4. SLIDE FERRULE OVER BRAID AND CRIMP WITH CRIMP TOOL.

### CRIMP SIZE REQUIRED

- CONTACT: .068 [1.73] HEX CRIMP TOOL.
- FERRULE: .213 [5.42] HEX CRIMP TOOL.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch PE4016](#)



BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

## RF Connectors Technical Data Sheet

**PE4016**

BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch 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.

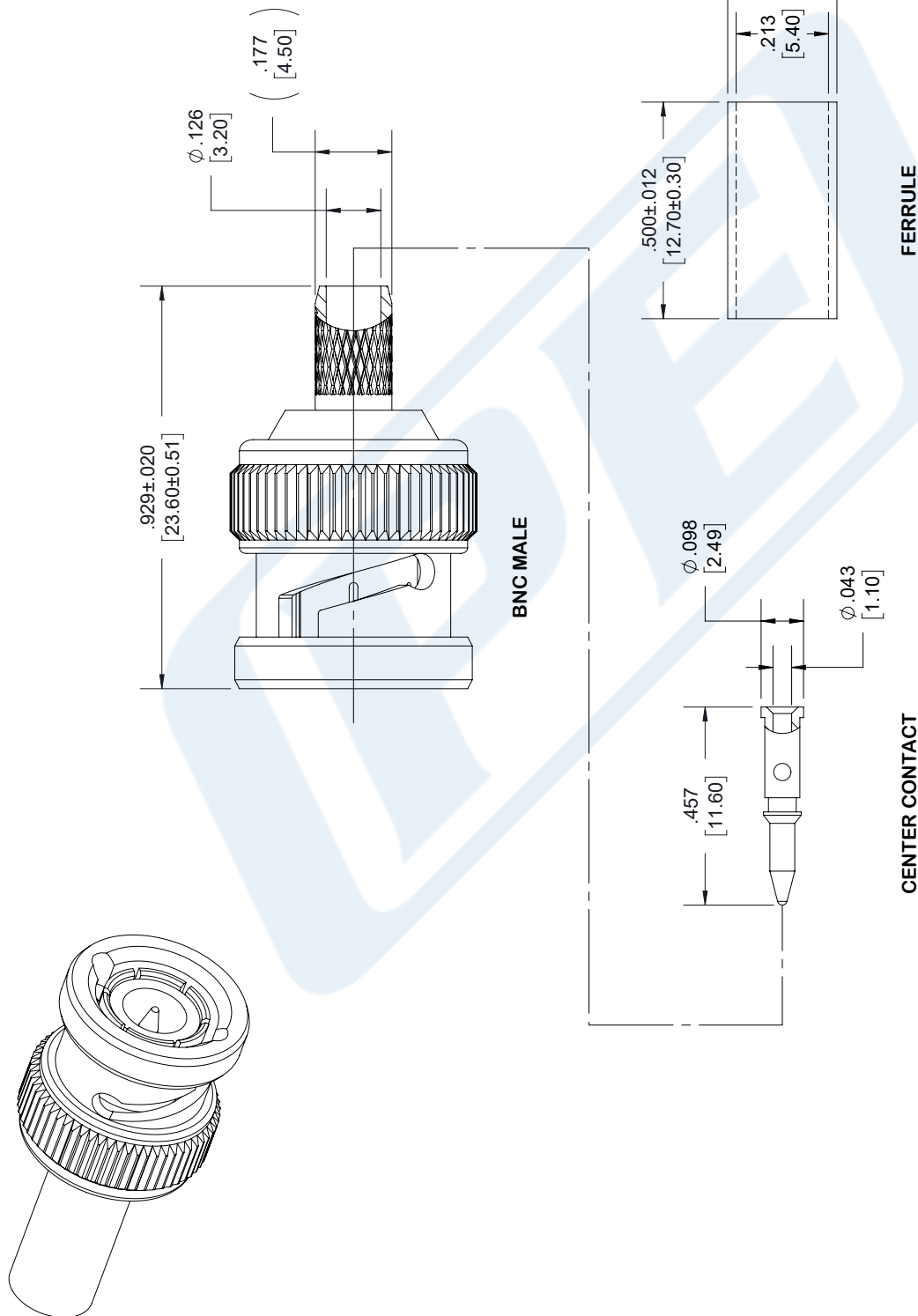
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch PE4016](https://www.pasternack.com/bnc-male-rg58-rg303-pe-c195-pe-p195-lmr-195-connector-pe4016-p.aspx)

URL: <https://www.pasternack.com/bnc-male-rg58-rg303-pe-c195-pe-p195-lmr-195-connector-pe4016-p.aspx>

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# PE4016 CAD Drawing

BNC Male Connector Crimp/Solder Attachment for RG58, RG303,  
RG141, PE-C195, PE-P195, LMR-195, .195 inch



|                                                                   |                                |                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>PE4016</p> <p>CAGE CODE 53919</p>                              | <p>DWG TITLE</p> <p>PE4016</p> | <p>PE PASTERNAK®<br/>             THE ENGINEER'S RF SOURCE<br/>             Pasternack Enterprises, Inc.<br/>             P.O. Box 16759   Irvine   CA   92623<br/>             Phone: (949) 261-1920   Fax: (949) 261-7451<br/>             Website: www.pasternack.com   E-Mail: sales@pasternack.com</p> |
| <p>CAD FILE 010318</p> <p>SCALE N/A</p> <p>SIZE A</p> <p>7361</p> |                                |                                                                                                                                                                                                                                                                                                             |



UHF Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet

**PE4069**

### Configuration

- UHF Male Connector
- 50 Ohms
- Straight Body Geometry
- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

### Features

- Max. Operating Frequency 300 MHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4069 UHF male connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Our UHF male connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.3:1.

Our UHF male connector PE4069 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      |         | 300     | MHz   |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

### Mechanical Specifications

#### Size

|            |                     |
|------------|---------------------|
| Length     | 1.295 in [32.89 mm] |
| Width/Dia. | 0.7 in [17.78 mm]   |
| Weight     | 0.038 lbs [17.24 g] |

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 RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4069](#)



UHF Male Connector Crimp/Solder Attachment for RG58,  
RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet

**PE4069**

### Material Specifications

| Description  | Material | Plating                   |
|--------------|----------|---------------------------|
| Contact      | Brass    | Gold<br>30 µin minimum    |
| Insulation   | PTFE     |                           |
| Body         | Brass    | Nickel<br>100 µin minimum |
| Coupling Nut | Brass    | Nickel<br>100 µin minimum |

### Environmental Specifications

#### Temperature

Operating Range

-55 to +85 deg C

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

### Plotted and Other Data

Notes:

UHF Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 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.

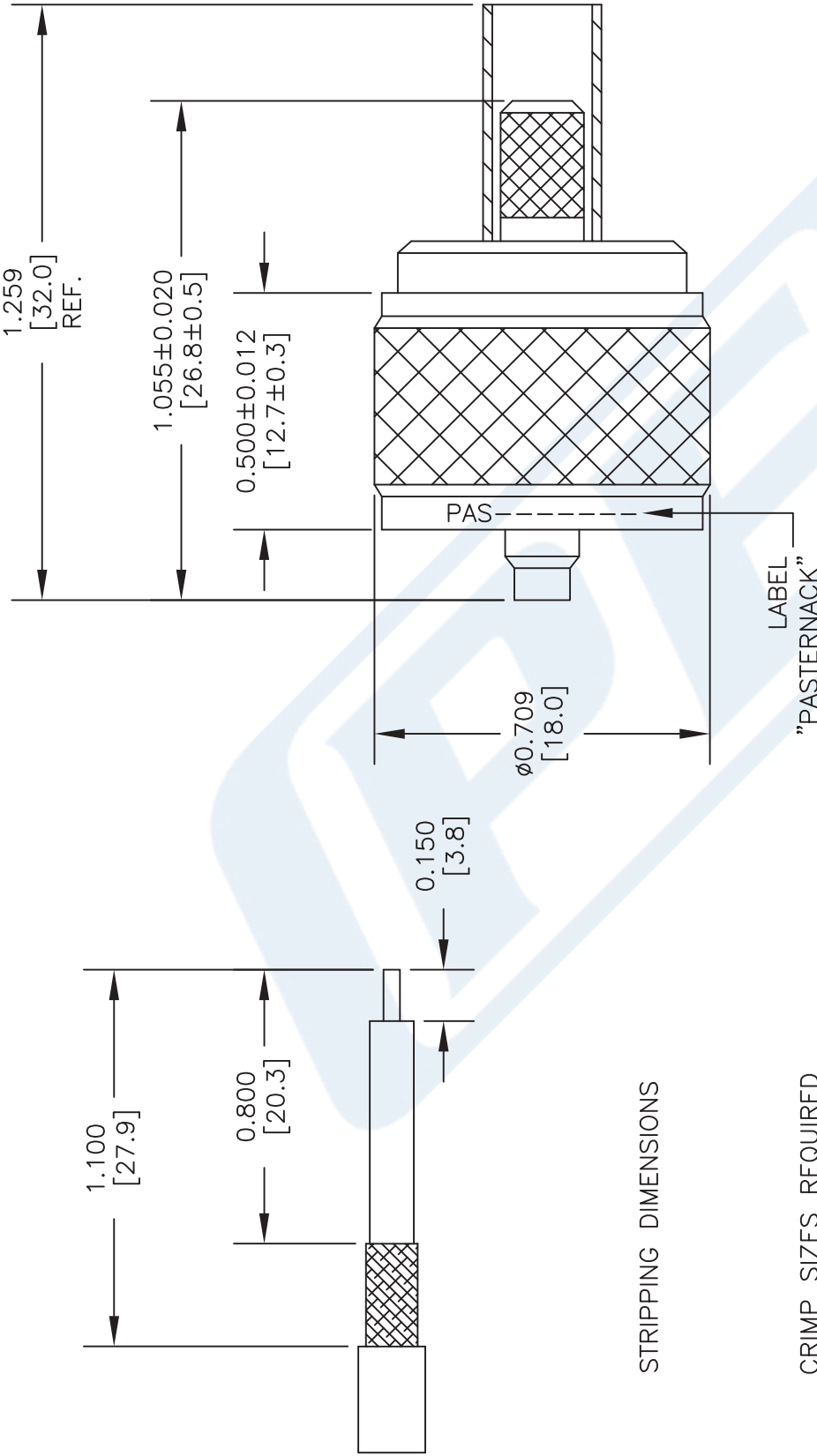
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4069](#)

URL: <https://www.pasternack.com/uhf-male-standard-rg58-connector-pe4069-p.aspx>

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PE4069 CAD Drawing

UHF Male Connector Crimp/Solder Attachment for RG58, RG303,  
RG141, PE-C195, PE-P195, LMR-195, 0.195 inch



STRIPPING DIMENSIONS

CRIMP SIZES REQUIRED

CONTACT: .068" HEX CRIMP TOOL  
FERRULE: .213" HEX CRIMP TOOL

STANDARD TOLERANCES

.X ±0.2  
.XX ±0.1  
.XXX ±0.05

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

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

Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

**PE4069**

FSCM NO. 53919

CAD FILE 050216

SCALE N/A

SIZE A

3045

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].



## LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax

### RF Cables Technical Data Sheet



**LMR-195-UF**

#### Times Microwave Systems Coax Cable Specification

##### Configuration

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

##### Features

- Ultra Flexible Coax with Stranded Center Conductor
- Max Operating Frequency of 5.8 GHz
- Phase Velocity 74% VoP
- Max Operating Temperature +85°C
- TPE Jacket
- Min Install Bend Radius of 0.5 inches

##### Applications

- RF Test Systems
- Antenna Installs
- Laboratory Applications
- General Purpose RF Interconnect
- Jumper Assemblies

##### Description

LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax from Times Microwave is part of the large product offering by Pasternack of radio frequency coaxial cable types specifically stocked to be ready for same-day shipment. Pasternack LMR-195-UF coax cable is manufactured in an ultra flexible design and has a 50 Ohm impedance. This low loss and ultra flexible 50 Ohm coax cable LMR-195-UF is constructed with a 0.195 inch diameter and Black TPE jacket.

LMR-195-UF flexible 50 Ohm coax cable with TPE jacket is rated for a 5.8 GHz maximum operating frequency. This 50 Ohm 0.195 inch diameter and low loss ultra flexible coax cable is built with an aluminum double shield count and RF shielding of 90 dB. Times Microwave LMR-195-UF TPE coax is constructed with Foam PE dielectric and a maximum operating temperature of 85 degrees C. Pasternack's offering of LMR-195-UF coax cable provides specs for this wire on its RF coax cable LMR-195-UF datasheet.

LMR-195-UF cable is part of more than one million RF, microwave parts in stock at Pasternack. This Times Microwave low loss ultra flexible LMR-195-UF coax cable is ready to buy and can be shipped worldwide. Pasternack also maintains a wide selection of other radio frequency coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave components.

\* LMR™ is a trademark of Times Microwave Systems.

##### Electrical Specifications

| Description                          | Minimum | Typical   | Maximum | Units      |
|--------------------------------------|---------|-----------|---------|------------|
| Frequency Range                      | DC      |           | 5.8     | GHz        |
| Impedance                            |         | 50        |         | Ohms       |
| Velocity of Propagation              |         | 74        |         | %          |
| Time Delay                           |         | 1.27 4.17 |         | ns/ft ns/m |
| Shielding Effectiveness              | 90      |           |         | dB         |
| Dielectric Withstanding Voltage (DC) |         |           | 1,000   | Vdc        |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax LMR-195-UF](#)



## LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax

### RF Cables Technical Data Sheet



**LMR-195-UF**

|                               |              |              |
|-------------------------------|--------------|--------------|
| Jacket Spark                  | 3,000        | Vrms         |
| Inner Conductor DC Resistance | 9.5          | Ohms/1000ft  |
| Outer Conductor DC Resistance | 4.9          | Ohms/1000ft  |
| Nominal Capacitance           | 25.4 [83.33] | pF/ft [pF/m] |
| Nominal Inductance            | 0.064 [0.21] | uH/ft [uH/m] |
| Input Power (Peak)            | 2.5          | kWatts       |

#### Performance by Frequency Band

| Description           | F1   | F2    | F3  | F4    | F5    | Units    |
|-----------------------|------|-------|-----|-------|-------|----------|
| Frequency             | 50   | 150   | 220 | 450   | 900   | MHz      |
| Attenuation, Typ      | 3    | 5.3   | 6.4 | 9.3   | 13.2  | dB/100ft |
|                       | 9.84 | 17.39 | 21  | 30.51 | 43.31 | dB/100m  |
| Input Power (CW), Max | 610  | 350   | 280 | 200   | 140   | Watts    |

| Description           | F6    | F7    | F8    | F9    | F10   | Units    |
|-----------------------|-------|-------|-------|-------|-------|----------|
| Frequency             | 1.5   | 1.8   | 2     | 2.5   | 5.8   | GHz      |
| Attenuation, Typ      | 17.3  | 19    | 20.1  | 22.6  | 35.6  | dB/100ft |
|                       | 56.76 | 62.34 | 65.94 | 74.15 | 116.8 | dB/100m  |
| Input Power (CW), Max | 100   | 90    | 90    | 80    | 50    | Watts    |

#### Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.195 in 4.95 mm         |
| Weight                          | 0.021 lbs/ft [0.03 Kg/m] |
| Min. Bend Radius (Installation) | 0.5 in [12.7 mm]         |
| Min. Bend Radius (Repeated)     | 2 in [50.8 mm]           |
| Bending Moment                  | 0.1 lbs-ft [0.14 N-m]    |
| Tensile Strength                | 40 lbs [18.14 kg]        |
| Flat Plate Crush                | 10 lbs/in [0.18 Kg/mm]   |

#### Construction Specifications

| Description     | Material and Plating | Diameter           |
|-----------------|----------------------|--------------------|
| Inner Conductor | Copper, 1 Strand     | 0.038 in [0.97 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax LMR-195-UF](#)



## LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax

### RF Cables Technical Data Sheet



**LMR-195-UF**

|                |               |                    |
|----------------|---------------|--------------------|
| Conductor Type | Stranded      |                    |
| Dielectric     | Foam PE       | 0.11 in [2.79 mm]  |
| First Shield   | Aluminum Tape | [ ]                |
| Second Shield  | Tinned Copper | [ ]                |
| Jacket         | TPE, Black    | 0.195 in [4.95 mm] |

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +85 deg C

Installation 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:

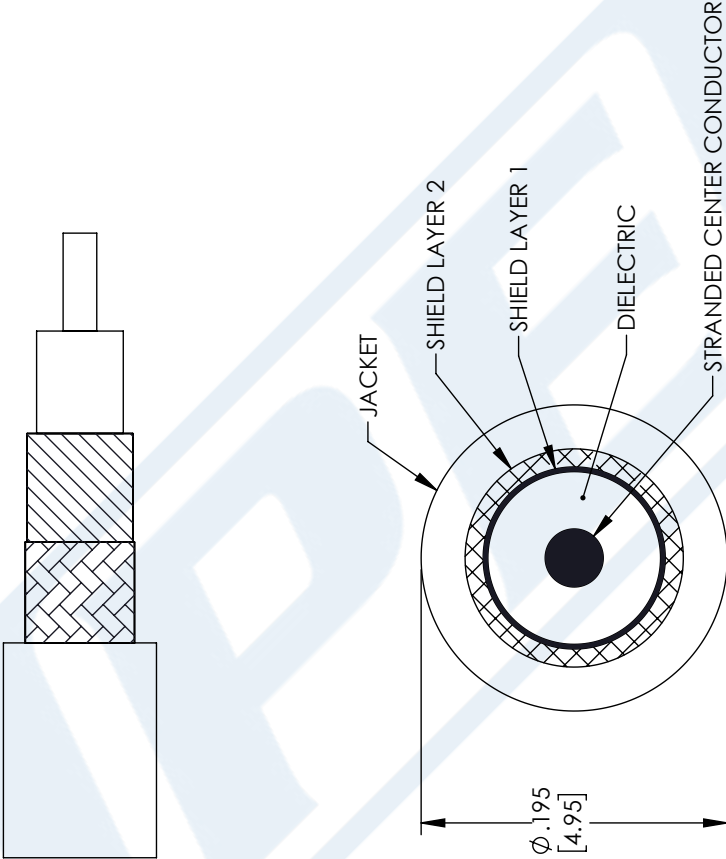
LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax LMR-195-UF](#)

URL: <https://www.pasternack.com/low-loss-flexible-lmr-195-uf-tpe-jacket-aluminum-tape-over-tinned-copper-outer-conductor-double-shielded-lmr-195-uf-p.aspx>

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| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 06-04-2021 | SELLIS   |



UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

|              |        |           |        |
|--------------|--------|-----------|--------|
| X = ±.2      | [.008] | FRACTIONS | ±.1/32 |
| .XX = ±.02   | [.51]  | ANGLES    | ± 1°   |
| .XXX = ±.005 | [.13]  |           |        |

CABLE LENGTH (L) TOLERANCES:

|                      |        |                 |
|----------------------|--------|-----------------|
| 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% / -0      |

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

**PE PASTERNACK**  
an INFINITI® brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

SIZE A

CAGE CODE 53919

DRAWN BY MVEERAPPAN

ITEM NO. LMR-195-UF

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