



UHF Male Connector Clamp/Solder Attachment  
for RG58, RG55, RG141, RG142, RG223, RG400,  
RG303, PE-C195, PE-P195, LMR-195

## RF Connectors Technical Data Sheet

**PE44052**

### Configuration

- UHF Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

### Features

- Max. Operating Frequency 300 MHz
- Gold Plated Brass Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44052 UHF male connector with clamp/solder attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195 and LMR-195 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.

Our UHF male connector PE44052 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   |
| Operating Voltage (AC)               |         |         | 500     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,500   | Vrms  |

### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 1.26 in [32 mm]     |
| Width/Dia.  | 0.7 in [17.78 mm]   |
| Weight      | 0.054 lbs [24.49 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 Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE44052](#)



UHF Male Connector Clamp/Solder Attachment  
 for RG58, RG55, RG141, RG142, RG223, RG400,  
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## RF Connectors Technical Data Sheet

**PE44052**

### Material Specifications

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

### Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 26 to 30 in-lbs [2.94 to 3.39 Nm]

### 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 Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 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: [UHF Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE44052](#)

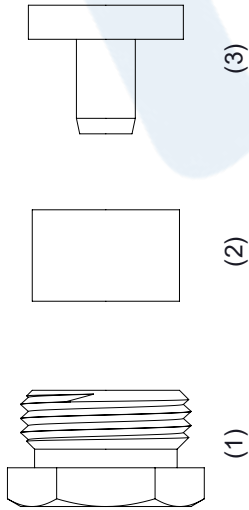
URL: <https://www.pasternack.com/uhf-male-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe44052-p.aspx>

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.

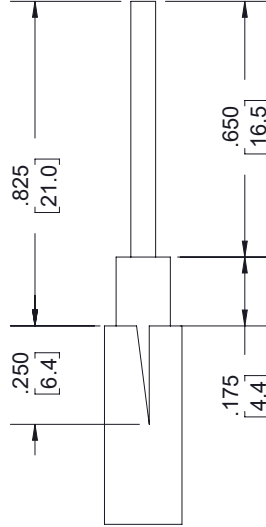
UHF Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

| REVISIONS |                      |          |          |
|-----------|----------------------|----------|----------|
| REV.      | DESCRIPTION          | DATE     | APPROVED |
| A         | PCR PE44052 20200817 | 10/20/20 | SRAUTUS  |

## ASSEMBLY PROCEDURES

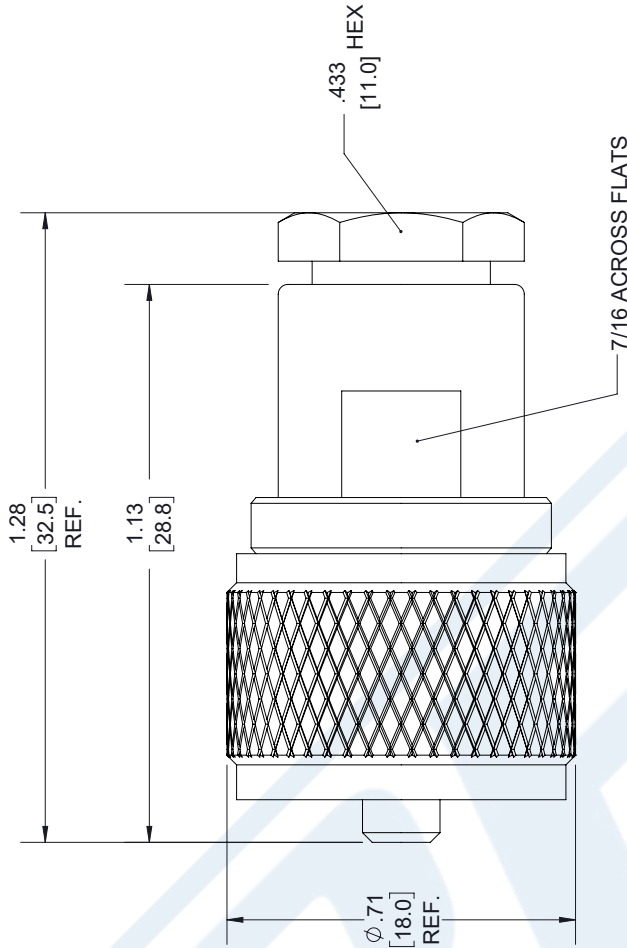


1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN BELOW.



## STRIPPING DIMENSIONS

2. INSERT BRAID CLAMP (3) BETWEEN BRAID & DIELECTRIC. INSERT ASSEMBLY INTO BODY. THEN SOLDER CENTER CONDUCTOR TO CONTACT AND TIGHTEN.



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

TOLERANCES:

.X = ± .2 [5.08] FRACTIONS  
.XX = ± .02 [.51] ± 1/32  
.XXX = ± .005 [.13] ANGLES ± 1°

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.



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DESIGN INFORMATION  
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SHEET 1 OF 1

SCALE N/A

REV A



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SIZE A CAGE CODE 53919 DRAWN BY SLI ITEM NO. PE44052



TNC Male Connector Clamp/Solder Attachment  
 for RG58, RG55, RG141, RG142, RG223, RG400,  
 RG303, PE-C195, PE-P195, LMR-195

## RF Connectors Technical Data Sheet

**PE4067**

### Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

### Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4067 TNC male connector with clamp/solder attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.5:1.

Our TNC male connector PE4067 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      |         | 6       | GHz   |
| VSWR                   |         |         | 1.5:1   |       |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

### Mechanical Specifications

#### Size

|            |                     |
|------------|---------------------|
| Length     | 1.06 in [26.92 mm]  |
| Width/Dia. | 0.571 in [14.50 mm] |
| Weight     | 0.046 lbs [20.87 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4067](#)



TNC Male Connector Clamp/Solder Attachment  
for RG58, RG55, RG141, RG142, RG223, RG400,  
RG303, PE-C195, PE-P195, LMR-195

## RF Connectors Technical Data Sheet

**PE4067**

### Material Specifications

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

### Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 26 to 30 in-lbs [2.94 to 3.39 Nm]

### 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: [TNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4067](#)



TNC Male Connector Clamp/Solder Attachment  
for RG58, RG55, RG141, RG142, RG223, RG400,  
RG303, PE-C195, PE-P195, LMR-195

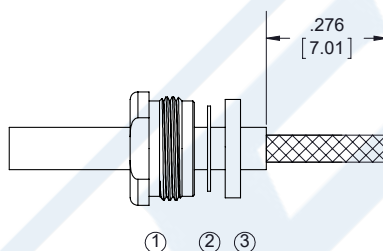
**RF Connectors**  
**Technical Data Sheet**

**PE4067**

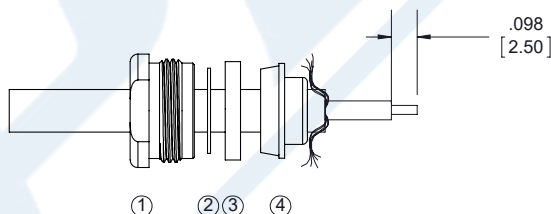
**Assembly Instruction**

**ASSEMBLY PROCEDURES**

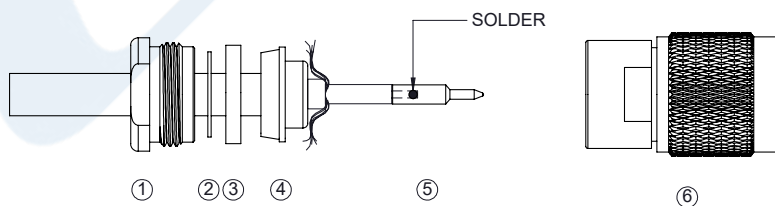
1. SLIDE CLAMP NUT ①, THINNER WASHER ② & GASKET ③ OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF CLAMP.



2. SLIDE BRAID CLAMP ④ OVER BRAID & SEAT AGAINST CABLE. FORM BRAID OVER CLAMP NUT. TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR.



3. SOLDER CONTACT ⑤ TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY ⑥ & TIGHTEN.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4067](#)



TNC Male Connector Clamp/Solder Attachment  
for RG58, RG55, RG141, RG142, RG223, RG400,  
RG303, PE-C195, PE-P195, LMR-195

## RF Connectors Technical Data Sheet

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TNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 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: [TNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4067](https://www.pasternack.com/tnc-male-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4067-p.aspx)

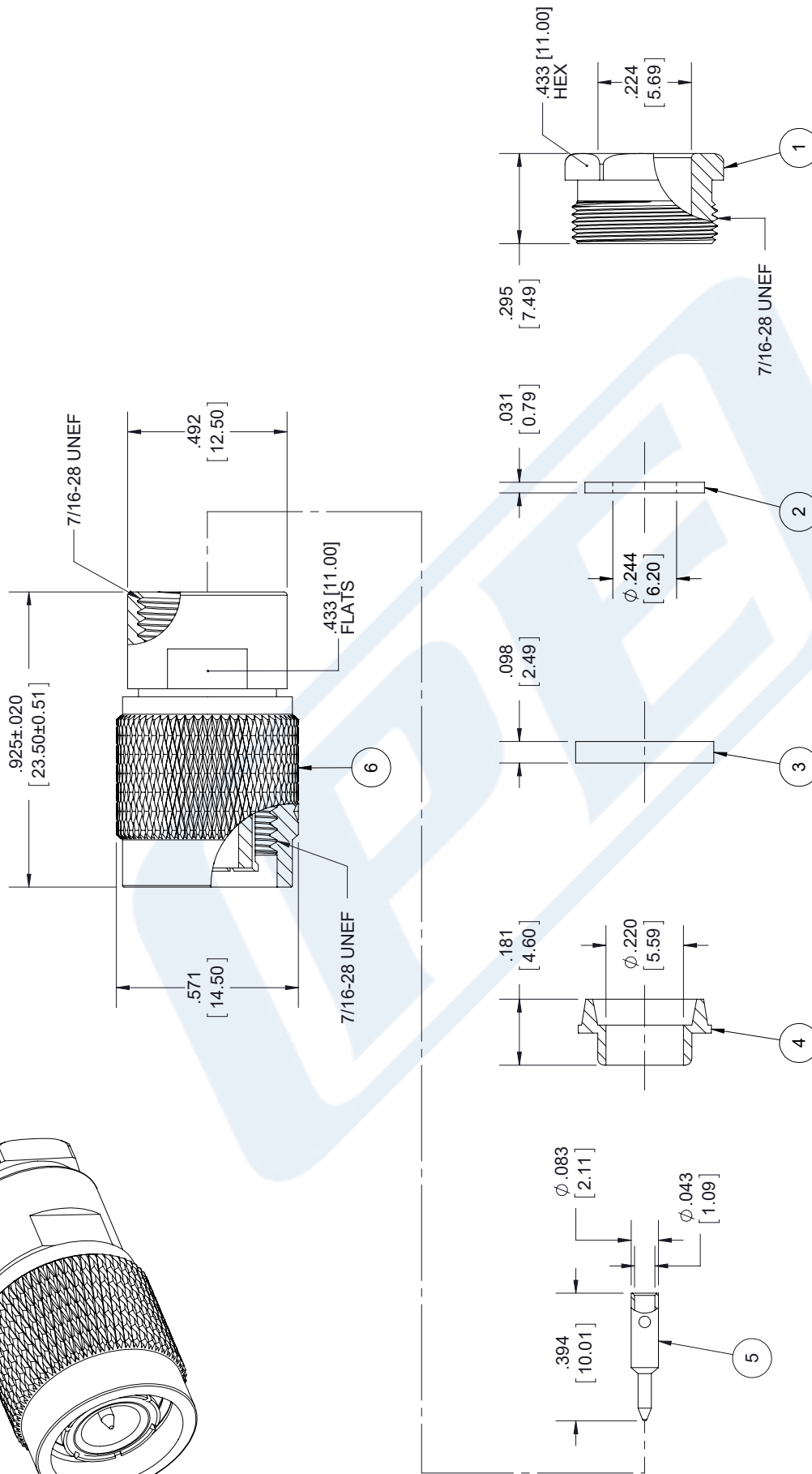
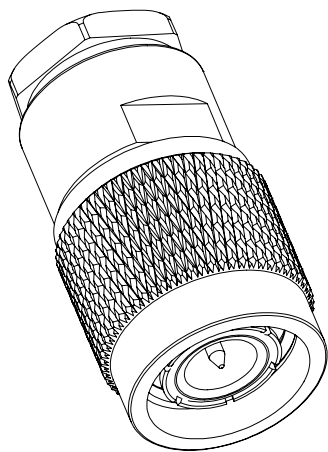
URL: <https://www.pasternack.com/tnc-male-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4067-p.aspx>

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# PE4067 CAD Drawing

TNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195



## STANDARD TOLERANCES

.X ±0.2  
.XX ±0.01  
.XXX ±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE4067

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].

CAGE CODE 53919

CAD FILE 092817

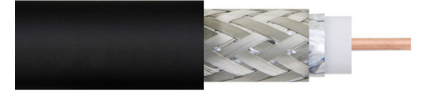
SCALE N/A

SIZE A

7361



## Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



### LMR-195

#### Times Microwave Systems Coax Cable Specification

##### Configuration

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

##### Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 80% VoP

##### Applications

- Laboratory Applications
- General Purpose RF Interconnect

##### Description

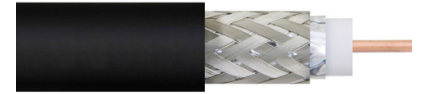
LMR-195 part number from Pasternack is a LMR-195 coax cable that is flexible. Pasternack LMR-195 flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-195 coax is constructed with a 0.195 jacket made of PE. LMR-195 coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-195 coax cable has an attenuation at 1 GHz of 11.8 dB.

Pasternack LMR-195 coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-195 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-195 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                     |         | 41           |         | GHz          |
| Impedance                            |         | 50           |         | Ohms         |
| Velocity of Propagation              |         | 80           |         | %            |
| Time Delay                           |         | 1.27 [4.17]  |         | ns/ft [ns/m] |
| Shielding Effectiveness              | 90      |              |         | dB           |
| Dielectric Withstanding Voltage (DC) |         |              | 1,000   | Vdc          |
| Jacket Spark                         |         |              | 3,000   | Vrms         |
| Inner Conductor DC Resistance        |         |              | 7.6     | 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       |

## Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



### LMR-195

#### Performance by Frequency Band

| Description           | F1  | F2    | F3    | F4    | F5    | Units    |
|-----------------------|-----|-------|-------|-------|-------|----------|
| Frequency             | 50  | 150   | 220   | 450   | 900   | MHz      |
| Attenuation, Typ      | 2.5 | 4.4   | 5.4   | 7.8   | 11.1  | dB/100ft |
|                       | 8.2 | 14.44 | 17.72 | 25.59 | 36.42 | dB/100m  |
| Input Power (CW), Max | 680 | 390   | 320   | 220   | 160   | Watts    |

| Description           | F6    | F7    | F8    | F9    | F10  | Units    |
|-----------------------|-------|-------|-------|-------|------|----------|
| Frequency             | 1.5   | 1.8   | 2     | 2.5   | 5.8  | GHz      |
| Attenuation, Typ      | 14.5  | 16    | 16.9  | 19    | 29.9 | dB/100ft |
|                       | 47.57 | 52.49 | 55.45 | 62.34 | 98.1 | dB/100m  |
| Input Power (CW), Max | 120   | 110   | 100   | 90    | 60   | Watts    |

#### Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.195 in [4.95 mm]       |
| Weight                          | 0.022 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                  | 0.2 lbs-ft [0.27 N-m]    |
| Tensile Strength                | 40 lbs [18.14 kg]        |
| Flat Plate Crush                | 15 lbs/in [0.27 kg/mm]   |

#### Construction Specifications

| Description     | Material and Plating | Diameter           |
|-----------------|----------------------|--------------------|
| Inner Conductor | Copper, 1 Strand     | 0.037 in [0.94 mm] |
| Conductor Type  | Solid                |                    |
| Dielectric      | PE (F)               | 0.11 in [2.79 mm]  |
| First Shield    | Aluminum Tape        |                    |
| Second Shield   | Tinned Copper Braid  |                    |
| Jacket          | PE, Black            | 0.195 in [4.95 mm] |

#### Environmental Specifications

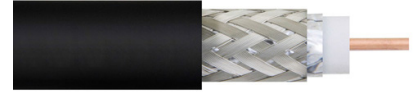
|                    |                  |
|--------------------|------------------|
| <b>Temperature</b> |                  |
| Operating Range    | -40 to +85 deg C |
| Storage Range      | -70 to +85 deg C |

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

#### Plotted and Other Data

Notes:

## Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



### LMR-195

Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE 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-lmr195-pe-jacket-double-shielded-black-lmr-195-p.aspx>

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