PASTERNACK
an INFINITE brand



# 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

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



### 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

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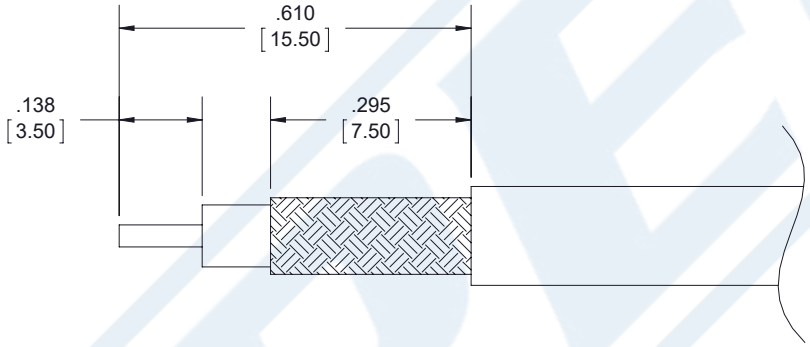


# BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch



**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.

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# 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

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

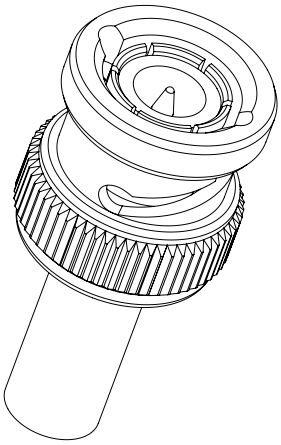
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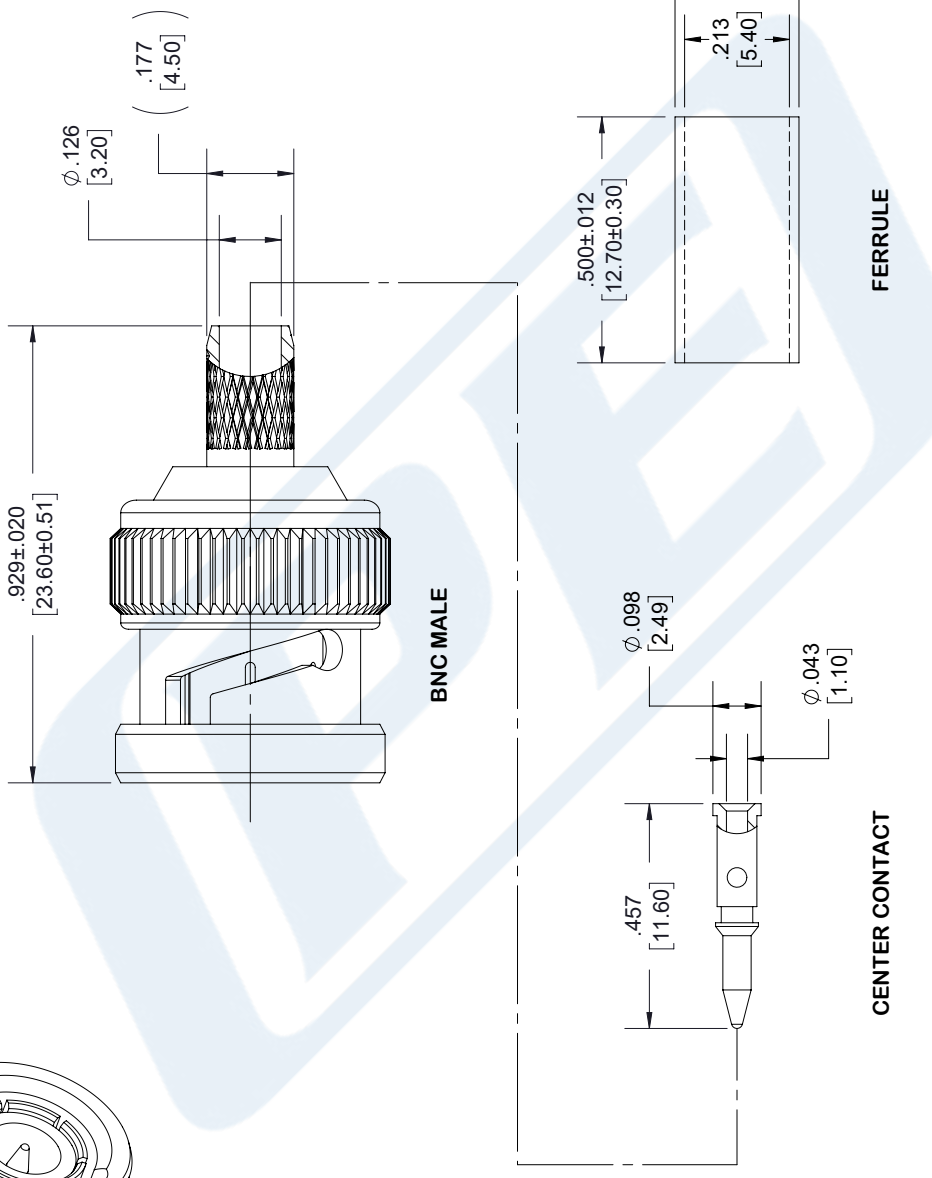
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# PE4016 CAD Drawing

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






| STANDARD TOLERANCES |
|---|
| .X ±0.2 |
| .XX ±0.01 |
| .XXX ±0.005 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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].

DWG TITLE: PE4016

CAD FILE 010318 | SCALE N/A | SIZE A | 7361

CAGE CODE 53919


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# TNC Female Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet PE4458

## Configuration

- TNC Female Connector
- MIL-STD-348A
- 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 3 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 PE4458 TNC female 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 TNC female connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.5:1.

Our TNC female connector PE4458 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 | | 3 | GHz |
| VSWR | | | 1.5:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 1.43 in [36.32 mm] |
| Width/Dia. | 0.57 in [14.48 mm] |
| Weight | 0.035 lbs [15.88 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: TNC Female Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4458

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# TNC Female Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet PE4458

### Material Specifications

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

### Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -65 to +165 deg C |

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

### Plotted and Other Data

Notes:

TNC Female 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: TNC Female Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4458

URL: https://www.pasternack.com/tnc-female-standard-rg58-connector-pe4458-p.aspx

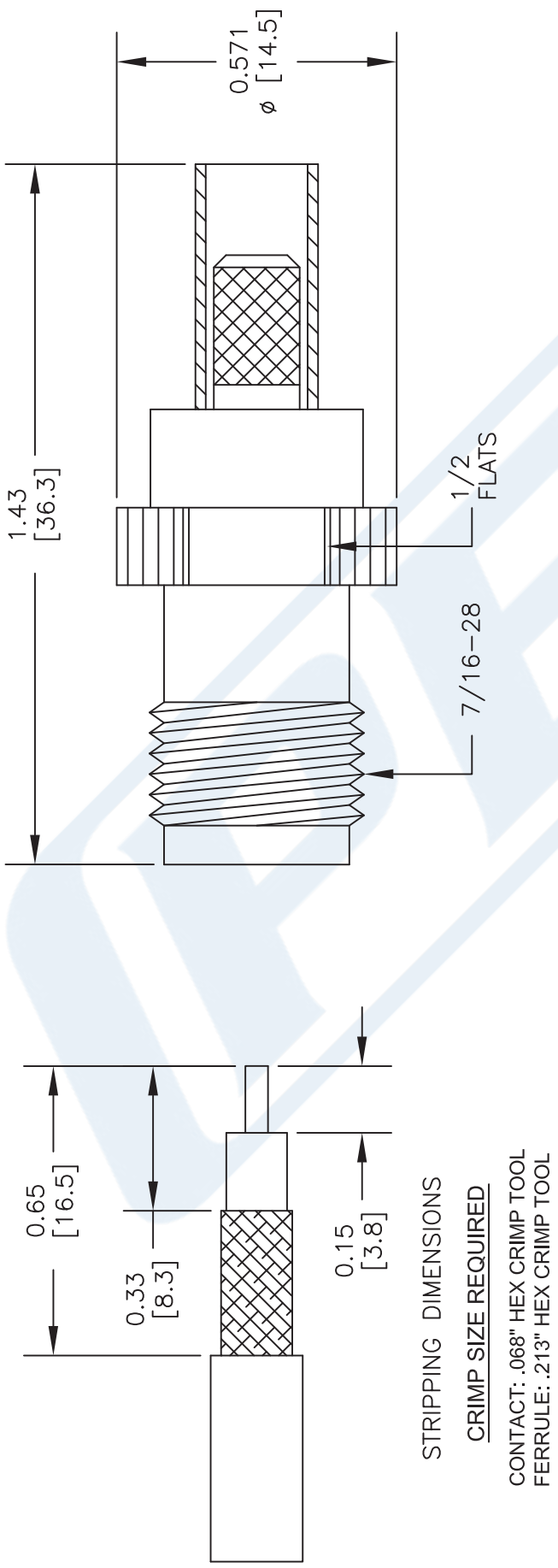
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# PE4458 CAD Drawing

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




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.

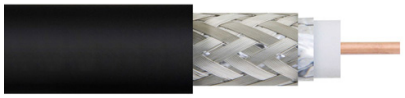
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FSCM NO. 53919


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



## LMR-195

TIMES MICROWAVE SYSTEMS An Amphenol Company

## Times Microwave Systems Connector 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.

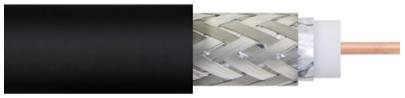
Pasternack LMR-195 coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-195 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-195 or other coax can be built and shipped same day as well.

### 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 |


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# 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 | 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

**Temperature**

| | |
|---|---|
| Operating Range | -40 to +85 deg C |
| Storage Range | -70 to +85 deg C |

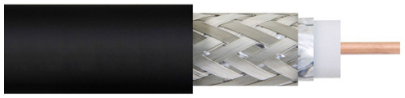
### Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:


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# 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket LMR-195

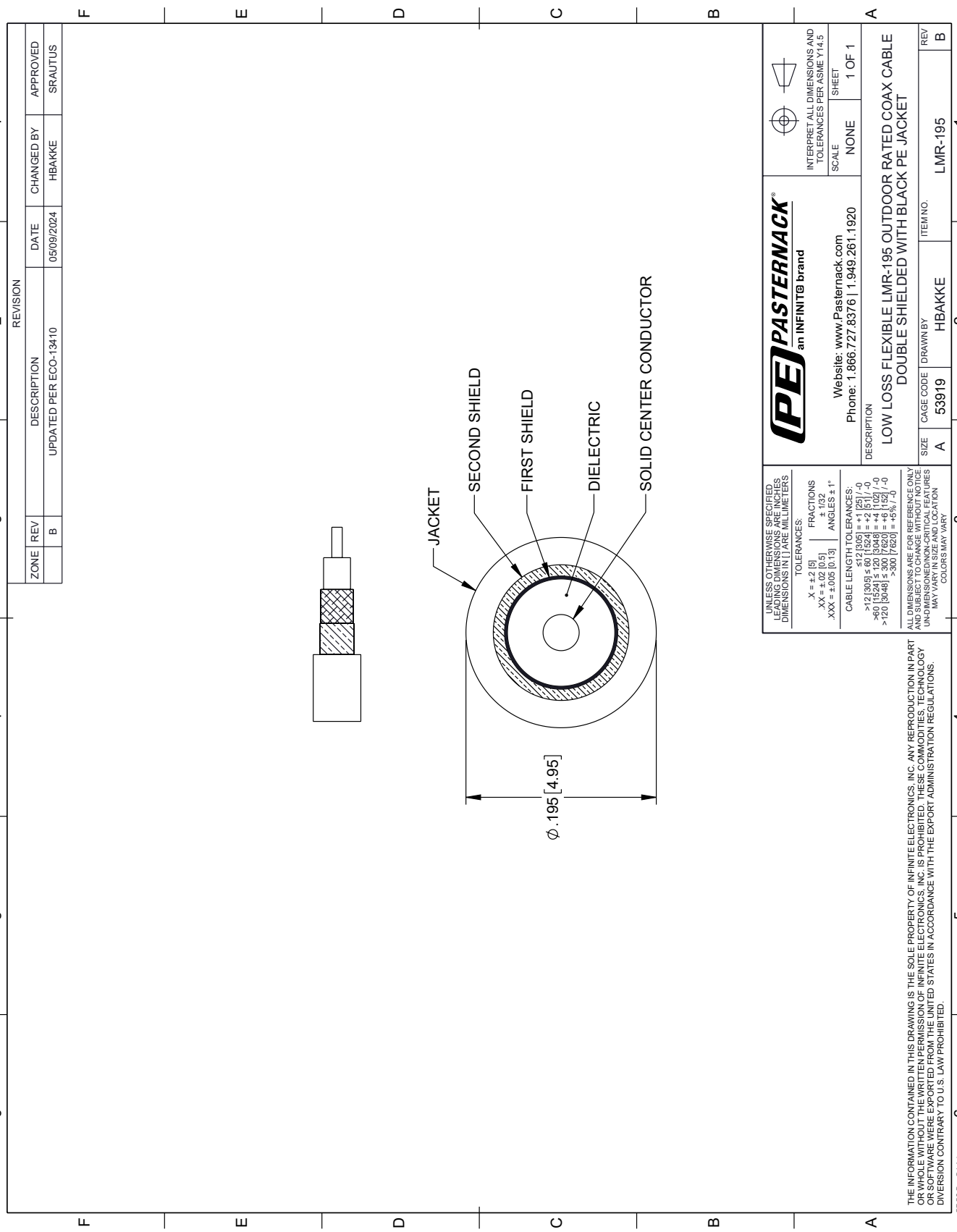
URL: https://www.pasternack.com/50-ohm-low-loss-flexible-lmr195-pe-jacket-double-shielded-black-lmr-195-p.aspx

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# LMR-195 CAD Drawing

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






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