



7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for LMR-195, LMR-195-FR, 0.195 inch, PE-C195, PE-P195

RF Connectors Technical Data Sheet

PE45046

Configuration

- 7/16 DIN Male Connector
- IEC 169-4
- 50 Ohms
- Right Angle Body Geometry
- LMR-195, LMR-195-FR, 0.195 inch, PE-C195, PE-P195 Interface Type
- Crimp/Solder Attachment
- 32 mm Hex

Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.2:1
- Silver Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45046 7/16 DIN male right angle connector with crimp/solder attachment for LMR-195, LMR-195-FR, 0.195 inch, PE-C195 and PE-P195 is part of our full line of RF components available for same-day shipping. Our 7/16 DIN male connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry allows for easier connections in tight spaces.

Our 7/16 DIN male right angle connector PE45046 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 | | | 1.2:1 | |

Mechanical Specifications

Size

| | |
|------------|--------------------|
| Length | 1.77 in [44.96 mm] |
| Width/Dia. | 1.26 in [32.00 mm] |
| Height | 1.55 in [39.37 mm] |
| Weight | 0.11 lbs [49.9 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for LMR-195, LMR-195-FR, 0.195 inch, PE-C195, PE-P195 PE45046](#)



7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for LMR-195, LMR-195-FR, 0.195 inch, PE-C195, PE-P195

RF Connectors Technical Data Sheet

PE45046

Material Specifications

| Description | Material | Plating |
|--------------|----------|-----------|
| Contact | Brass | Silver |
| Insulation | PTFE | |
| Body | Brass | Tri-Metal |
| Coupling Nut | Brass | Tri-Metal |

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

Plotted and Other Data

Notes:

7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for LMR-195, LMR-195-FR, 0.195 inch, PE-C195, PE-P195 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/7-16-male-lmr-195-pe-c195-pe-p195-connector-pe45046-p.aspx>

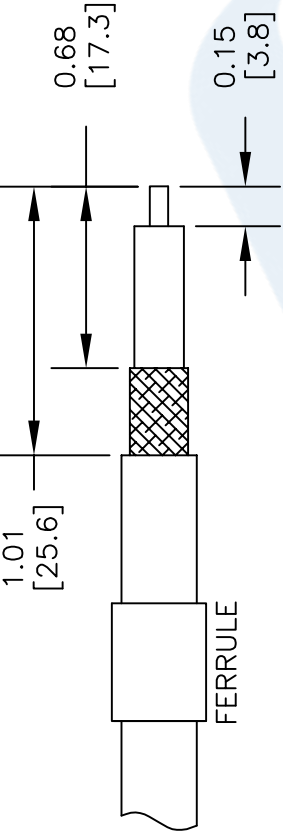
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PE45046 CAD Drawing

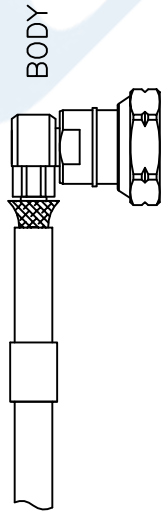
7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for
LMR-195, LMR-195-FR, 0.195 inch, PE-C195, PE-P195

ASSEMBLY PROCEDURES

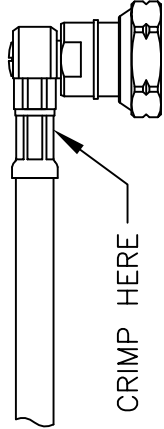
1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.



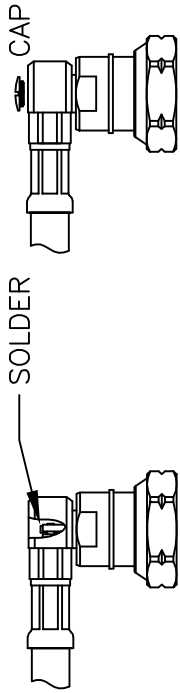
2. FLAIR BRAID AND INSERT THE STRIPPED CABLE INTO BODY AND POSITION THE CENTER CONDUCTOR IN THE SLOT OF THE CENTER PIN.



3. SLIDE FERRULE OVER BRAID UP TO THE CONNECTOR BODY AND CRIMP AS CLOSE TO THE CONNECTOR BODY AS POSSIBLE USING A .213" HEX CRIMP TOOL.

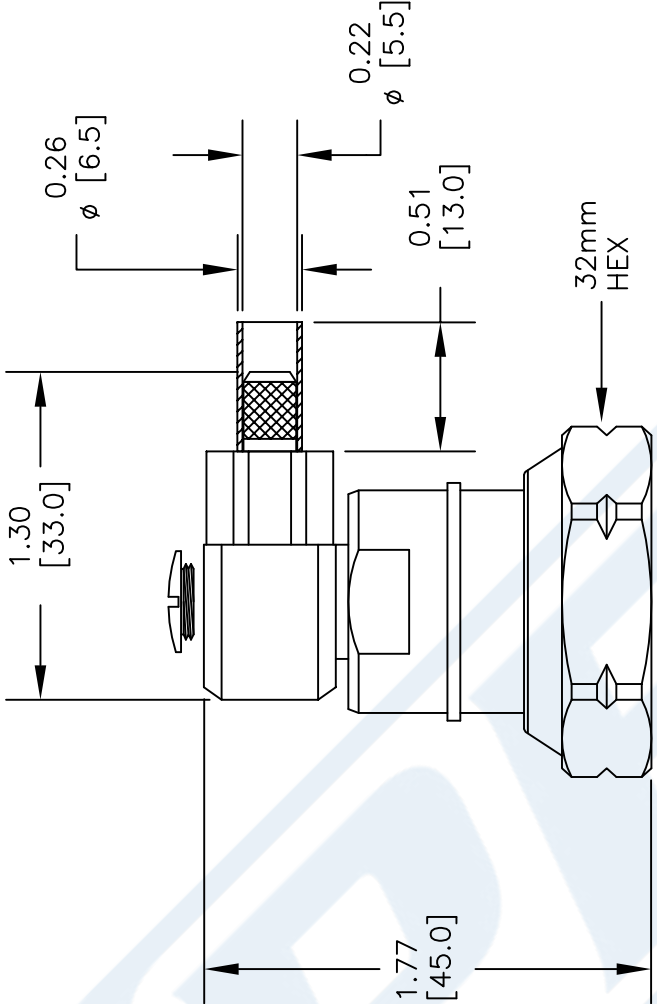


4. SOLDER THE CENTER CONDUCTOR OF THE CABLE TO THE CENTER PIN. TIGHTEN DOWN THE CAP INTO THE REAR APERTURE OF THE BO



CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .213" HEX CRIMP TOOL



7/16 DIN
MALE



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

PE45046

FSCM NO. 53919

CAD FILE

100214

SCALE N/A

SIZE A

150

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
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| VSWR | | | 1.2:1 | |

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7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for LMR-195, LMR-195-FR, 0.195 inch, PE-C195, PE-P195

RF Connectors Technical Data Sheet

PE45046

Material Specifications

| Description | Material | Plating |
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| Contact | Brass | Silver |
| Insulation | PTFE | |
| Body | Brass | Tri-Metal |
| Coupling Nut | Brass | Tri-Metal |

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

Plotted and Other Data

Notes:

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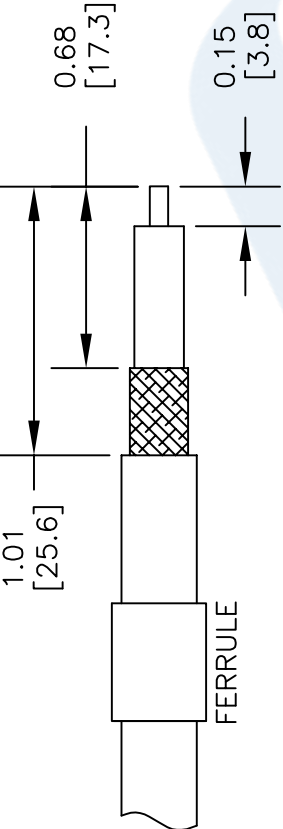
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PE45046 CAD Drawing

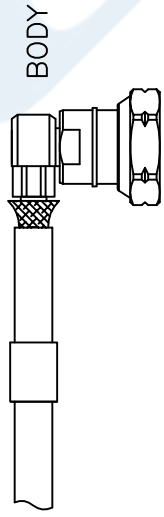
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ASSEMBLY PROCEDURES

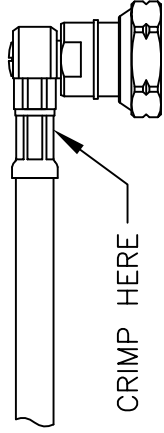
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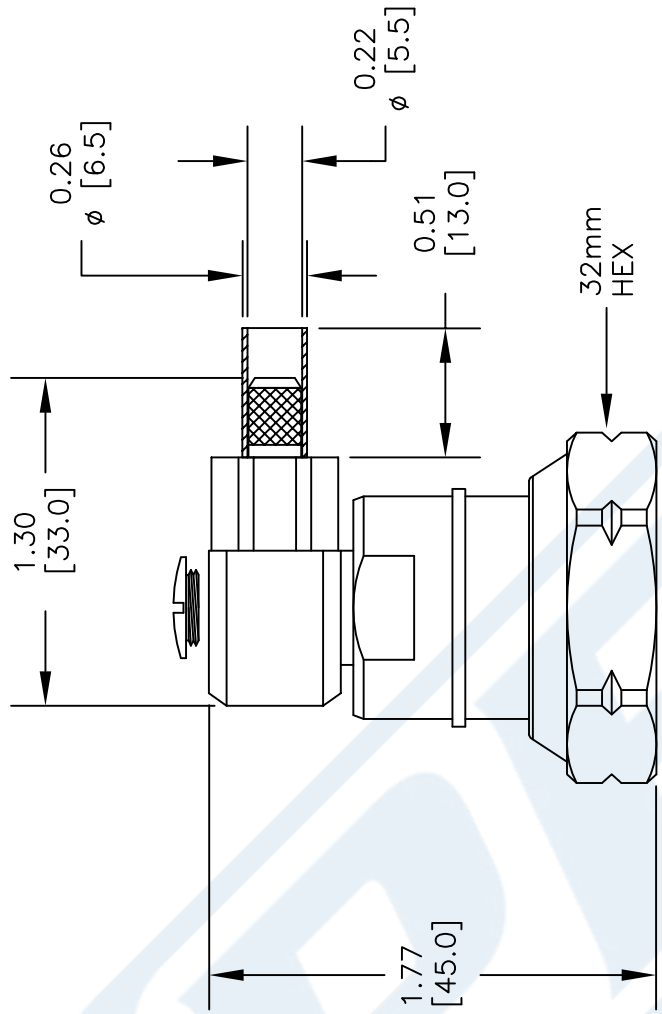


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CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .213" HEX CRIMP TOOL



7/16 DIN
MALE



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PE45046

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CAD FILE

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SCALE N/A

SIZE A

150

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Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG58C/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range | DC | | 5 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 65.9 | | % |
| Operating Voltage (AC) | | | 1,900 | Vrms |
| Nominal Capacitance | | 30.8 [101.05] | | pF/ft [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|-------|-------|--------|----|----------|
| Frequency | 0.01 | 0.1 | 1 | 5 | | GHz |
| Attenuation, Typ | 1.4 | 4.9 | 20 | 60 | | dB/100ft |
| | 4.59 | 16.08 | 65.62 | 196.85 | | dB/100m |
| Input Power (CW), Max | | | 44 | | | Watts |

Mechanical Specifications

| | |
|---------------------------------|--------------------------|
| Diameter | 0.195 in [4.95 mm] |
| Weight | 0.025 lbs/ft [0.04 Kg/m] |
| Min. Bend Radius (Installation) | 0.98 in [24.89 mm] |
| Min. Bend Radius (Repeated) | 1.96 in [49.78 mm] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|-------------------------|--------------------|
| Inner Conductor | Copper, Tin, 19 Strands | 0.036 in [0.91 mm] |
| Conductor Type | Stranded | |
| Dielectric | PE | 0.116 in [2.95 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG58 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG58C/U](#)

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG58C/U

| | | |
|--------------|---------------------|--------------------|
| First Shield | Tinned Copper Braid | 0.138 in [3.51 mm] |
| Jacket | PVC (NC), Black | 0.195 in [4.95 mm] |

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

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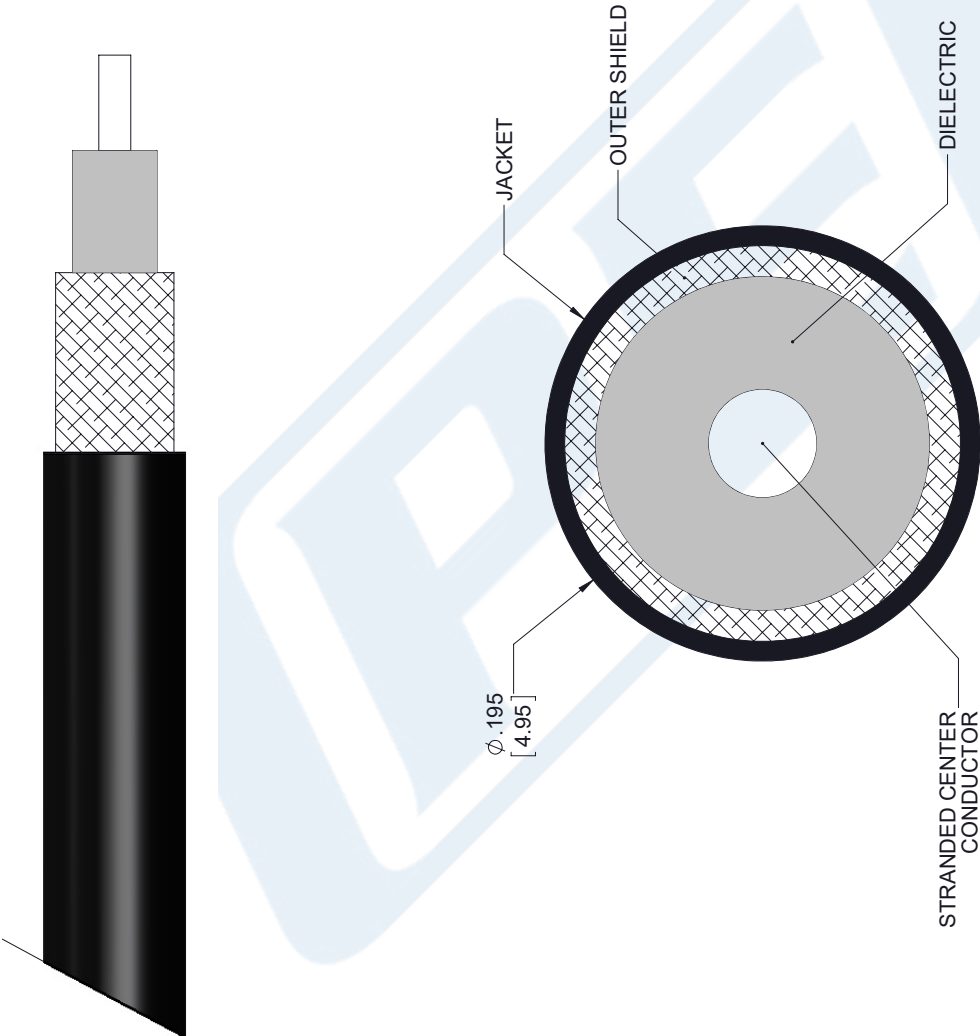
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URL: <https://www.pasternack.com/flexible-0.195-rg58-50-ohm-coax-cable-pvc-jacket-rg58c-u-p.aspx>

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RG58C/U CAD Drawing

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket



SECTION VIEW

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

RG58C/U

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CAGE CODE 53919

CAD FILE 091817

SCALE N/A

SIZE A

7361