



10-32 Male Right Angle Connector Crimp/ Solder Attachment For RG178, RG196

TECHNICAL DATA SHEET

PE44356

10-32 Male Right Angle Connector Crimp/Solder Attachment For RG178, RG196

Configuration

| | |
|--|--------------|
| Connector | 10-32 Male |
| Connector Specification | MIL-C-39012 |
| Connector Interface Type | RG178, RG196 |
| Cable Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Right Angle |

Electrical Specifications

| | |
|-----------------|----|
| Impedance, Ohms | 50 |
|-----------------|----|

Mechanical Specifications

Temperature

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

Size

| | |
|---------------------|---------------|
| Length, in [mm] | 0.629 [15.98] |
| Width/Dia., in [mm] | 0.25 [6.35] |
| Height, in [mm] | 0.528 [13.41] |
| Weight, lbs [g] | 0.009 [4.08] |

Connector

| | |
|-----------------------------------|---------------|
| Type | 10-32 Male |
| Contact Material and Plating | Gold |
| Contact Plating Specification | MIL-G-45204 |
| Coupling Nut Material and Plating | Brass, Nickel |
| Body Material and Plating | Brass, Nickel |
| Dielectric Type | Teflon |

Compliance Certifications (visit www.Pasternack.com for current document)

| | |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10-32 Male Right Angle Connector Crimp/Solder Attachment For RG178, RG196 PE44356](#)

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.



10-32 Male Right Angle Connector Crimp/
Solder Attachment For RG178, RG196

TECHNICAL DATA SHEET

PE44356

Plotted and Other Data

Notes:

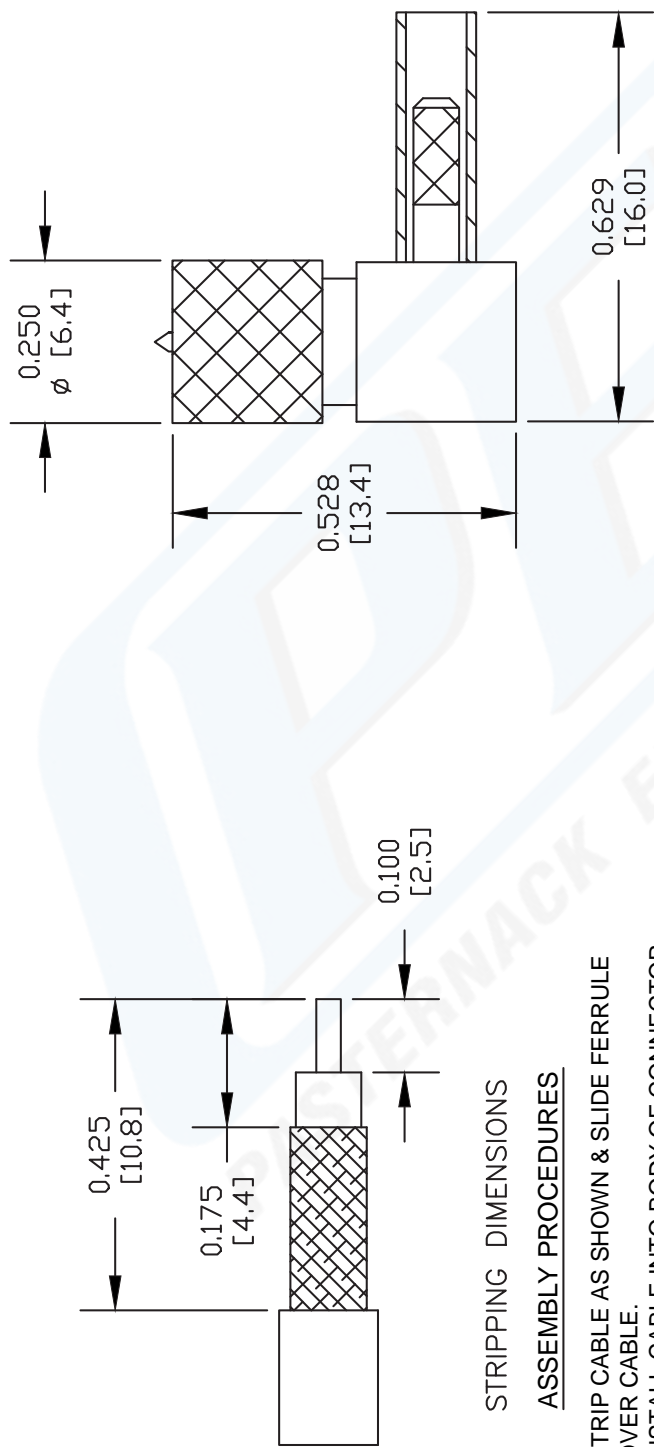
Values at 25 °C, sea level

10-32 Male Right Angle Connector Crimp/Solder Attachment For RG178, RG196 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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: [10-32 Male Right Angle Connector Crimp/Solder Attachment For RG178, RG196 PE44356](http://www.pasternack.com/10-32-male-standard-rg178-rg196-connector-pe44356-p.aspx)

URL: <http://www.pasternack.com/10-32-male-standard-rg178-rg196-connector-pe44356-p.aspx>

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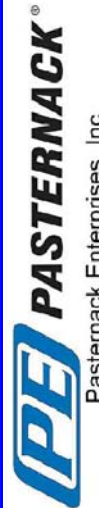
STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & PRESS
4. CRIMP FERRULE & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .100" HEX CRIMP TOOL



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

PE44356

FSCM NO. 53919

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.

CAD FILE

081103

SCALE

SIZE A

147

SMC Plug Connector Crimp/Solder
Attachment For RG178, RG196



TECHNICAL DATA SHEET

PE4074

SMC Plug Connector Crimp/Solder Attachment For RG178, RG196

Configuration

| | |
|--|--------------|
| Connector | SMC Plug |
| Connector Specification | MIL-STD-348A |
| Connector Interface Type | RG178, RG196 |
| Cable Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Straight |

Electrical Specifications

| | |
|-----------------|----|
| Impedance, Ohms | 50 |
|-----------------|----|

Mechanical Specifications

Size

| | |
|---------------------|--------------|
| Length, in [mm] | 0.85 [21.59] |
| Width/Dia., in [mm] | 0.25 [6] |
| Weight, lbs [g] | 0.006 [2.72] |

Connector

| | |
|------------------------------------|------------------------|
| Type | SMC Plug |
| Contact Material and Plating | Beryllium Copper, Gold |
| Contact Plating Specification | 30µ in. minimum |
| Coupling Nut Material and Plating | Brass, Nickel |
| Coupling Nut Plating Specification | 100µ in. minimum |
| Hex Size, in | 1/4 |
| Torque, in-lbs [Nm] | 5 [0.57] |
| Body Material and Plating | Brass, Nickel |
| Body Plating Specification | 100µ in. minimum |
| Dielectric Type | Teflon |

Compliance Certifications (visit www.Pasternack.com for current document)

| | |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

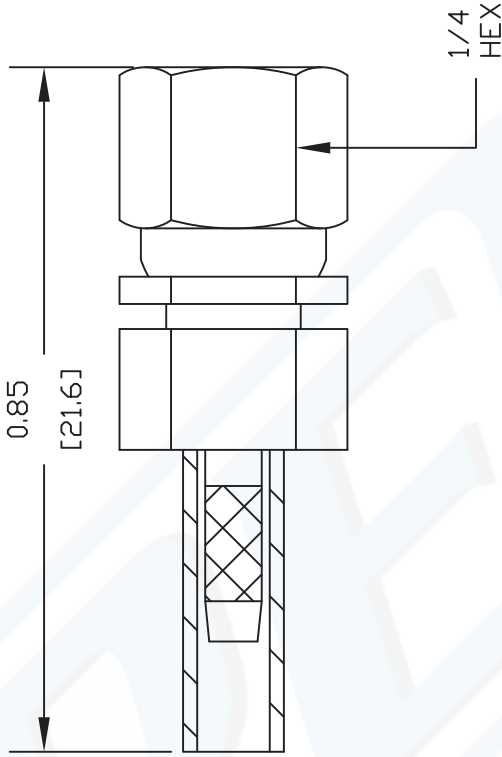
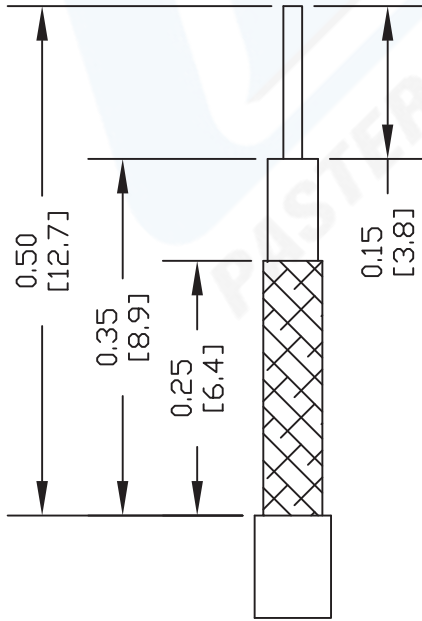
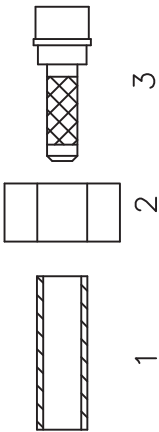
Plotted and Other Data

| | |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

URL: <http://www.pasternack.com/smc-plug-standard-rg178-rg196-connector-pe4074-p.aspx>

SMC Plug Connector Crimp/Solder Attachment For RG178, RG196 from Pasternack Enterprises has same day shipment for domestic and International orders. We maintain 99% availability of the industry's broadest selection of RF, microwave and fiber optic products.

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STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR.
2. SLIDE FERRULE (1) & CLAMP NUT (2) OVER CABLE. FLAIR BRAID & SLIDE WEDGE ASSEMBLY (3) UNDER BRAID WITH CENTER CONDUCTOR PROTRUDING THROUGH HOLE IN INSULATOR. SLIDE FERRULE (1) OVER BRAID & AGAINST CLAMP NUT.
3. SOLDER CONTACT TO CENTER CONDUCTOR. CLEAN. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .100" HEX CRIMP TOOL

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DWG TITLE

PE4074

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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. - FSCM NO. 53919 CAD FILE 030805 SCALE N/A SIZE A 127

Flexible RG196 Coax Cable Single
Shielded with White PTFE Jacket

TECHNICAL DATA SHEET

RG196A/U

Configuration

| | |
|--------------------------------------|---------------------------|
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Shield Materials | Silver Plated Copper |
| Jacket Material and Color | PTFE, White |

Electrical Specifications

| | |
|---------------------------------------|-------------|
| Impedance, Ohms | 50 |
| Maximum Operating Frequency, MHz | 1000 |
| Capacitance, pF/ft [pF/m] | 32 [104.99] |
| Dielectric Withstanding Voltage, Vrms | 2,000 |
| Dielectric Withstanding Voltage, Vdc | 2,000 |

Electrical Specifications by Frequency**Frequency 1**

| | |
|---------------------------------|-------------|
| Frequency, MHz | 400 |
| Attenuation, dB/100ft [dB/100m] | 33 [108.27] |

Mechanical Specifications**Temperature**

| | |
|------------------------|-------------|
| Operating Range, deg C | -55 to +200 |
|------------------------|-------------|

Inner Conductor

| | |
|-------------------|-------------------|
| Number of Strands | 7 |
| Material | Copper Clad Steel |
| Plating | Silver |
| Diameter, in [mm] | 0.011 [0.28] |

Dielectric:

| | |
|-------------------|--------------|
| Type | PTFE |
| Diameter, in [mm] | 0.035 [0.89] |

Shield:

| | |
|-------------------|----------------------|
| Number of | 1 |
| Material 1 | Silver Plated Copper |
| Diameter, in [mm] | 0.05 [1.27] |

Jacket:

| | |
|-----------------------|--------------|
| Material | PTFE |
| Diameter, in [mm] | 0.08 [2.03] |
| Color | White |
| Weight, lbs/ft [Kg/m] | 0.005 [0.01] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG196 Coax Cable Single Shielded with White PTFE Jacket RG196A/U](#)

Flexible RG196 Coax Cable Single Shielded with White PTFE Jacket

TECHNICAL DATA SHEET

RG196A/U

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

REACH Compliant

06/18/2012

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Flexible RG196 Coax Cable Single Shielded with White PTFE Jacket 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.

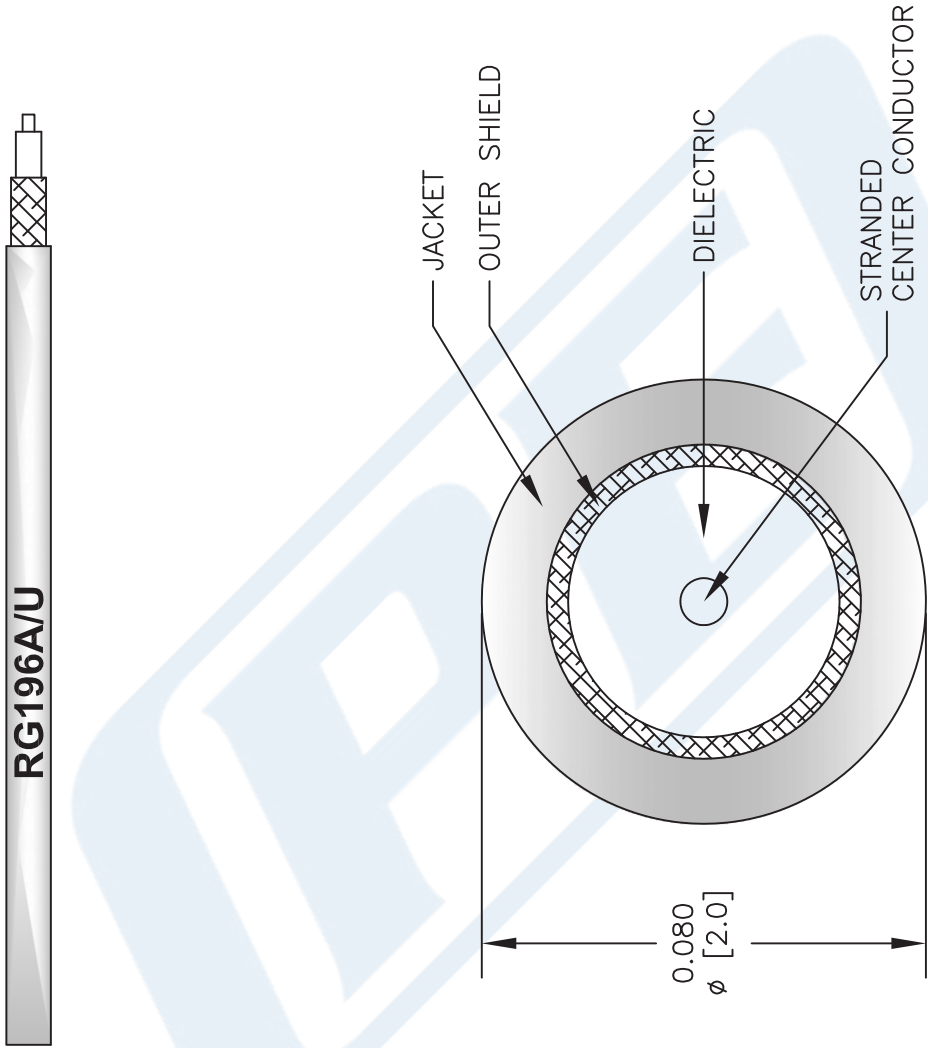
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG196 Coax Cable Single Shielded with White PTFE Jacket RG196A/U](#)

URL: <http://www.pasternack.com/flexible-0.080-rg196-50-ohm-coax-cable-ptfe-jacket-rg196a-u-p.aspx>

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RG196A/U CAD Drawing

Flexible RG196 Coax Cable Single Shielded with White PTFE Jacket



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 - 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 - 3. DIMENSIONS ARE IN INCHES [mm].
 - 4. LENGTH TOLERANCE IS $\pm 1.5\%$ OR $3/8"$, WHICHEVER IS GREATER.

| | | | |
|-----------|----------|-------|--|
| DWG TITLE | RG196A/U | | |
| | FSCM NO. | 53919 | |

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| | | | | | | |
|----------|--------|-------|-----|------|---|------|
| CAD FILE | 101215 | SCALE | N/A | SIZE | A | 2233 |
|----------|--------|-------|-----|------|---|------|