



Reverse Polarity TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG188-DS, RG316-DS, .480 inch D Hole

TECHNICAL DATA SHEET

PE45181

Configuration

| | |
|------------------------------------|-----------------------------|
| Connector | TNC Female Reverse Polarity |
| Connector Interface Type | RG188-DS, RG316-DS |
| Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Straight |
| Mount Method | Bulkhead |

Electrical Specifications

| | |
|---------------------------------|-------------|
| Frequency Range | DC to 3 GHz |
| Impedance | 50 Ohms |
| Maximum VSWR | 1.3:1 |
| Maximum Operating Voltage | 500 Volts |
| Dielectric Withstanding Voltage | 1,500 Vrms |

Mechanical Specifications

| | |
|-----------------|---------------------|
| Temperature | -65 to +165 deg C |
| Operating Range | |
| Size | |
| Length | 1.422 in [36.12 mm] |
| Width/Dia. | 0.689 in [17.50 mm] |
| Weight | 0.048 lbs [21.77 g] |

Connector

| | |
|-------------------------------|-----------------------------|
| Type | TNC Female Reverse Polarity |
| Contact Material and Plating | Brass, Gold |
| Contact Plating Specification | 30µ in. minimum |
| 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
REACH Compliant

06/18/2012

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG188-DS, RG316-DS, .480 inch D Hole PE45181](http://www.Pasternack.com)



Reverse Polarity TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG188-DS, RG316-DS, .480 inch D Hole

TECHNICAL DATA SHEET

PE45181

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Reverse Polarity TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG188-DS, RG316-DS, .480 inch D Hole 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.

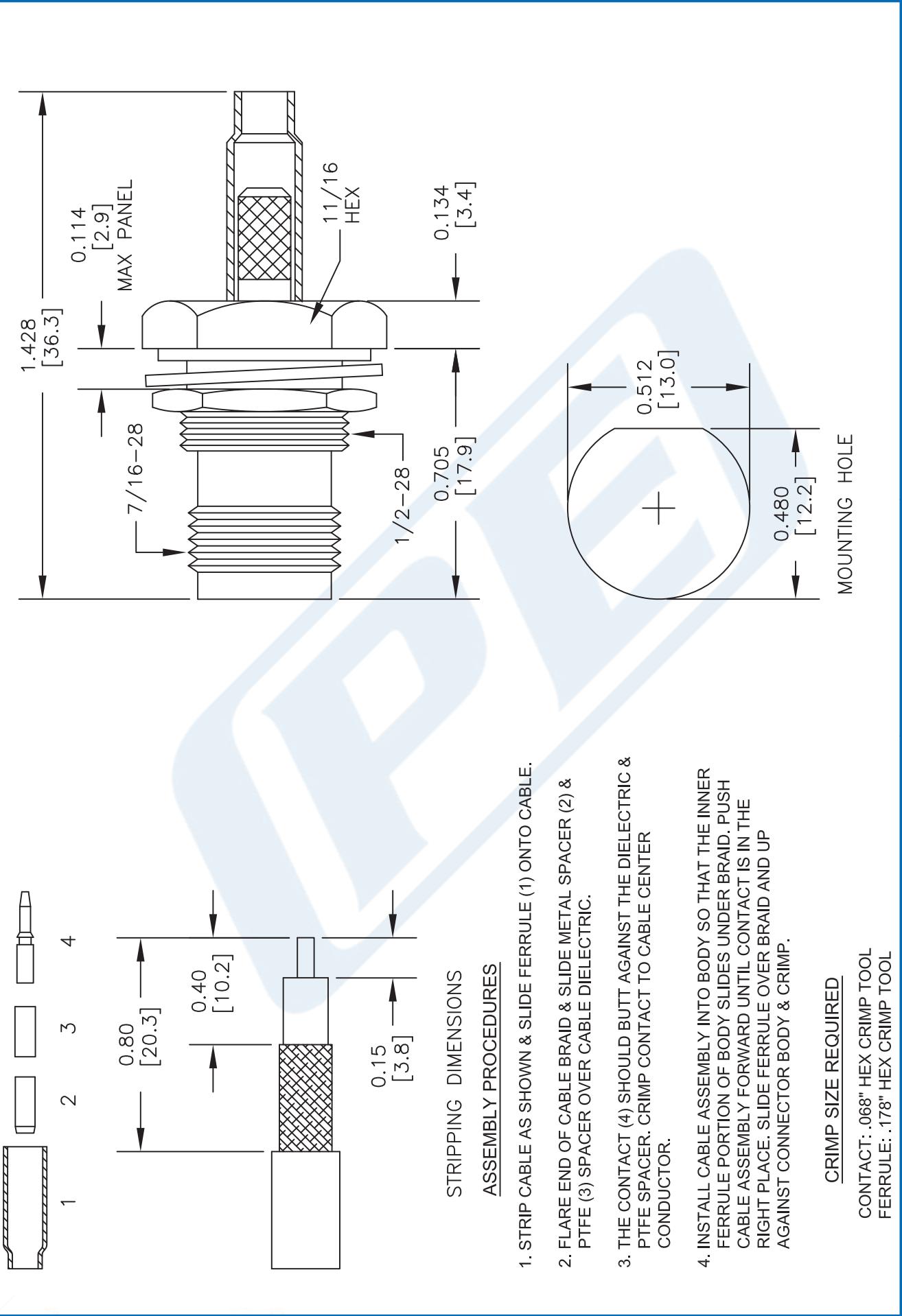
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URL: <http://www.pasternack.com/tnc-female-reverse-polarity-rg188-ds-rg316-ds-connector-pe45181-p.aspx>

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.

PE45181 CAD Drawing

Reverse Polarity TNC Female Bulkhead Mount Connector Crimp/
Solder Attachment for RG188-DS, RG316-DS, .480 inch D Hole



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.

| DWG TITLE | PE45181 | CAD FILE | 031715 | SCALE | N/A | SIZE | A | 2233 |
|---|---|----------|--------|-------|-----|------|---|------|
| PASTERNACK® 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 | | | | | | | |



Reverse Polarity TNC Male Connector Crimp/ Solder Attachment for RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE45180

Configuration

| | |
|------------------------------------|---------------------------|
| Connector | TNC Male Reverse Polarity |
| Connector Specification | Mil-C-39012 |
| Connector Interface Type | RG188-DS, RG316-DS |
| Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Straight |

Electrical Specifications

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

Mechanical Specifications

| | |
|------------|---------------------|
| Size | |
| Length | 1.23 in [31.24 mm] |
| Width/Dia. | 0.59 in [14.99 mm] |
| Weight | 0.034 lbs [15.42 g] |

Connector

| | |
|-------------------------------|---------------------------|
| Type | TNC Male Reverse Polarity |
| Contact Material and Plating | Brass, Gold |
| Contact Plating Specification | 3 μ in. minimum |
| Body Material and Plating | Brass, Nickel |
| Body Plating Specification | 70 μ in. minimum |
| Dielectric Type | Teflon |

Compliance Certifications

 (visit www.Pasternack.com for current document)

| | |
|-----------------|------------|
| RoHS Compliant | |
| REACH Compliant | 06/18/2012 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity TNC Male Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45180](#)



Reverse Polarity TNC Male Connector Crimp/ Solder Attachment for RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE45180

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity TNC Male Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45180](#)

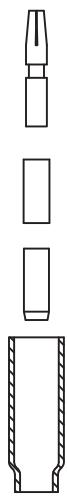
URL: <http://www.pasternack.com/tnc-male-reverse-polarity-rg188-ds-rg316-ds-connector-pe45180-p.aspx>

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PE45180 CAD Drawing

Reverse Polarity TNC Male Connector Crimp/Solder
Attachment for RG188-DS, RG316-DS

ASSEMBLY PROCEDURES

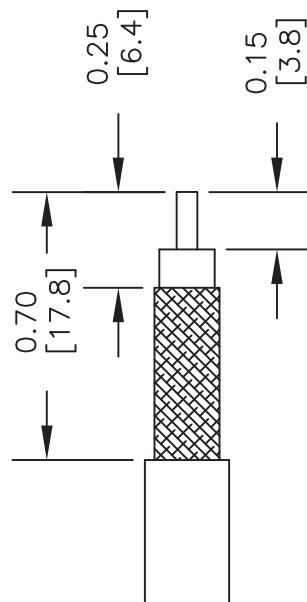
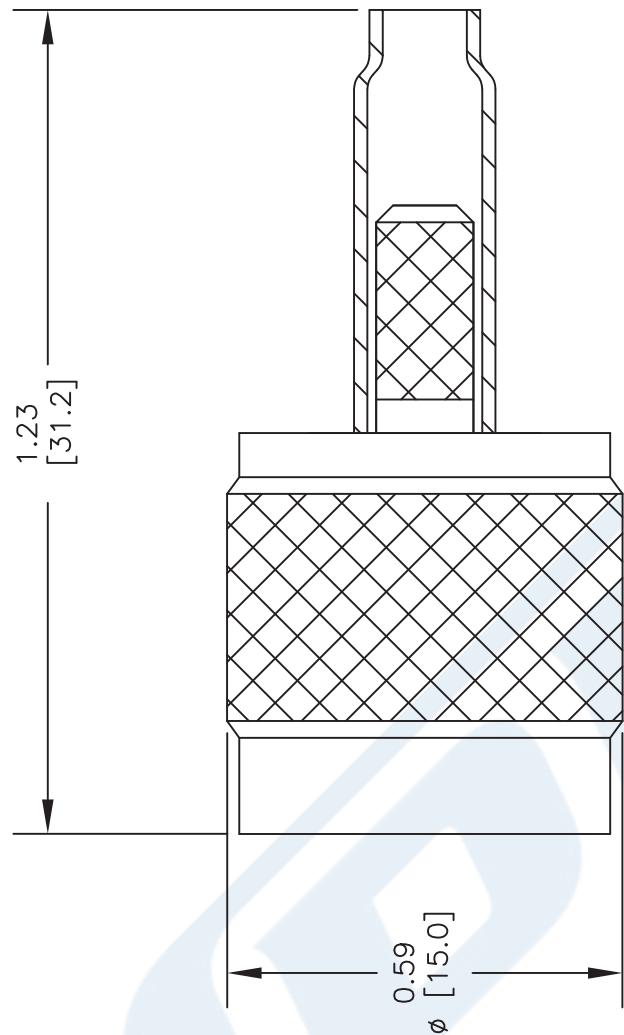


1. STRIP CABLE AS SHOWN & SLIDE FERRULE (1) ONTO CABLE.

2. FLARE END OF CABLE BRAID & SLIDE METAL SPACER (2) & PTFE (3) SPACER OVER CABLE DIELECTRIC.

3. THE CONTACT (4) SHOULD BUTT AGAINST THE DIELECTRIC & PTFE SPACER. CRIMP CONTACT TO CABLE CENTER CONDUCTOR.

4. INSTALL CABLE ASSEMBLY INTO BODY SO THAT THE INNER FERRULE PORTION OF BODY SLIDES UNDER BRAID. PUSH CABLE ASSEMBLY FORWARD UNTIL CONTACT SNAPS INTO PLACE. SLIDE FERRULE OVER BRAID AND UP AGAINST CONNECTOR BODY & CRIMP.



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL
FERRULE: .178" HEX CRIMP TOOL

PASTERNACK
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 | PE45180 |
|-----------|---------|
| FSCM NO. | 53919 |

| | |
|--------|--|
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|--------|--|

Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG188-DS

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|-------------|---------|---------|--------------|
| Frequency Range | DC | | 10 | GHz |
| Impedance | | 50 | | Ohms |
| Dielectric Withstanding Voltage (AC) | | | 2,000 | Vrms |
| Nominal Capacitance | 32 [104.99] | | | pF/ft [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|--------|--------|----------|
| Frequency | 0.01 | 0.1 | 1 | 5 | 10 | GHz |
| Attenuation, Typ | 3.8 | 11.5 | 30 | 79 | 133 | dB/100ft |
| | 12.47 | 37.73 | 98.43 | 259.19 | 436.35 | dB/100m |
| Input Power (CW), Max | 1,250 | 450 | 160 | 57 | | Watts |

Mechanical Specifications

| | |
|----------|--------------------------|
| Diameter | 0.118 in [3 mm] |
| Weight | 0.016 lbs/ft [0.02 Kg/m] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|--|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 7 Strands | 0.02 in [0.51 mm] |
| Conductor Type | Stranded | |
| Dielectric | PTFE | 0.06 in [1.52 mm] |
| First Shield | Silver Plated Copper Braid 90% coverage | 0.078 in [1.98 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket RG188-DS](#)

Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG188-DS

| | | |
|---------------|--|--------------------|
| Second Shield | Silver Plated Copper Braid 90% coverage | 0.096 in [2.44 mm] |
| Jacket | PTFE, White | 0.118 in [3 mm] |

Environmental Specifications

Temperature

Operating Range

-55 to +200 deg C

Compliance Certifications (see [product page](#) for current document)**Plotted and Other Data**

Notes:

Flexible RG188 Coax Cable Double 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 99.4% availability and are part of the broadest selection in the industry.

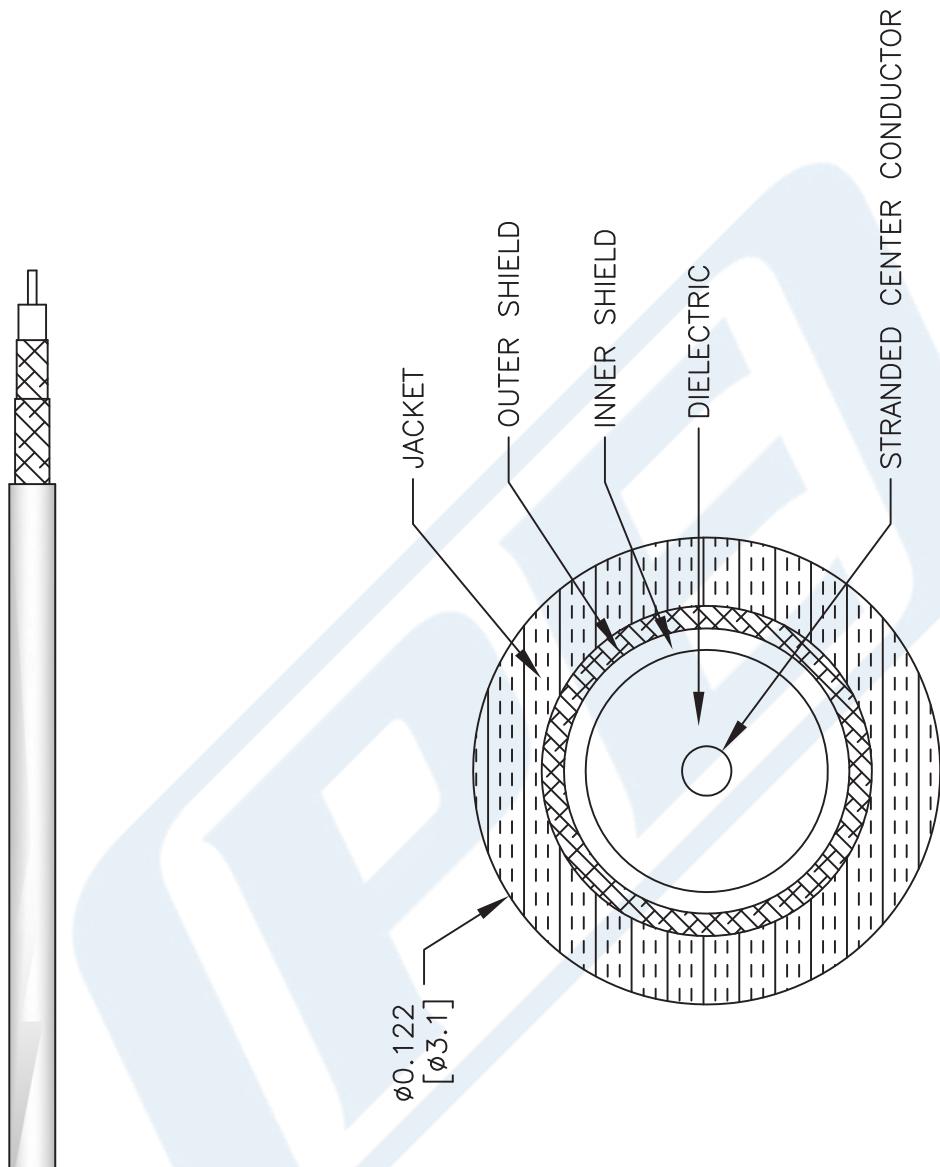
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URL: <https://www.pasternack.com/flexible-0.122-rg188-ds-50-ohm-coax-cable-ptfe-jacket-rg188-ds-p.aspx>

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RG188-DS CAD Drawing

Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket



DWG TITLE
RG188-DS

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