



Reverse Polarity BNC Female Connector Crimp/
Solder Attachment for RG188-DS, RG316-DS

RF Connectors Technical Data Sheet

PE45182

Configuration

- BNC Female Reverse Polarity Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- RG188-DS, RG316-DS Interface Type
- Crimp/Solder Attachment

Mechanical Specifications

Size

| | |
|------------|--------------------|
| Length | 1.28 in [32.51 mm] |
| Width/Dia. | 0.45 in [11.43 mm] |
| Weight | 0.02 lbs [9.07 g] |

Material Specifications

| Description | Material | Plating |
|-------------|----------|---------------------------|
| Contact | Brass | Gold 3μ-5μ in. minimum |
| Insulation | Teflon | |
| Body | Brass | Nickel 70μ in. minimum |

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 BNC Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45182](#)



Reverse Polarity BNC Female Connector Crimp/ Solder Attachment for RG188-DS, RG316-DS

RF Connectors Technical Data Sheet

PE45182

Plotted and Other Data

Notes:

Reverse Polarity BNC Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS 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.

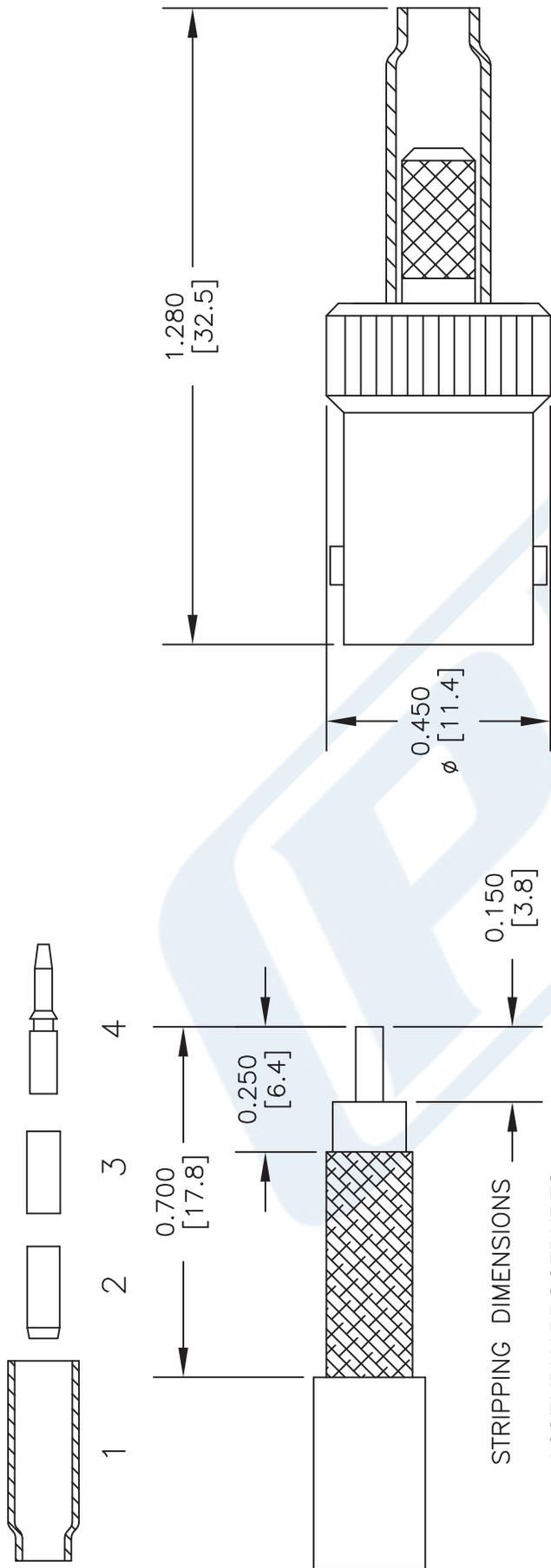
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity BNC Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45182](http://www.pasternack.com/bnc-female-reverse-polarity-rg188-ds-rg316-ds-connector-pe45182-p.aspx)

URL: <http://www.pasternack.com/bnc-female-reverse-polarity-rg188-ds-rg316-ds-connector-pe45182-p.aspx>

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PE45182 CAD Drawing

Reverse Polarity BNC Female Connector Crimp/Solder
Attachment for RG188-DS, RG316-DS



CRIMP SIZE REQUIRED

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

STRIPPING DIMENSIONS

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.

DWG TITLE

PE45182

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.

FSCM NO. 53919

CAD FILE 031715

SCALE N/A

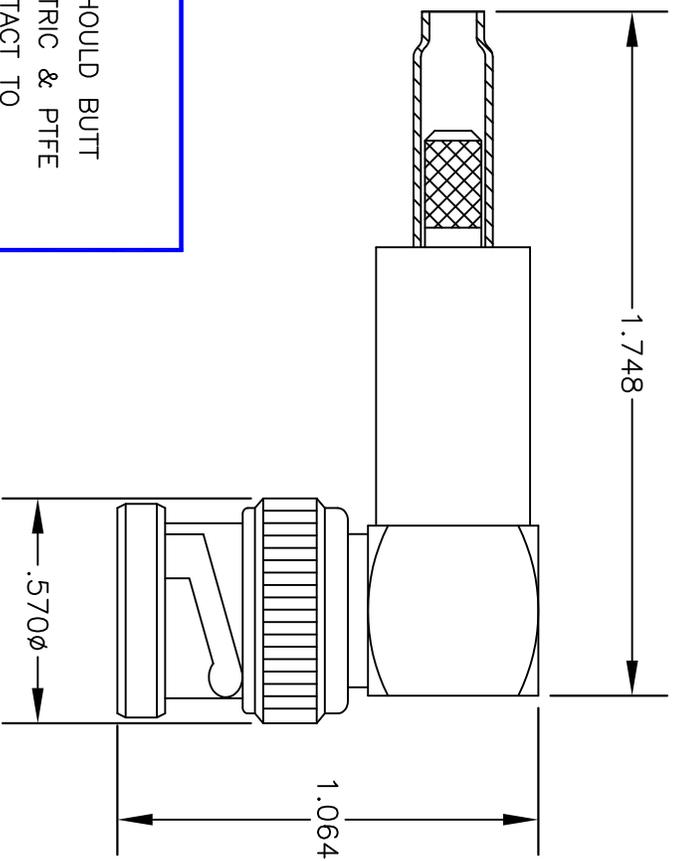
SIZE A

2233



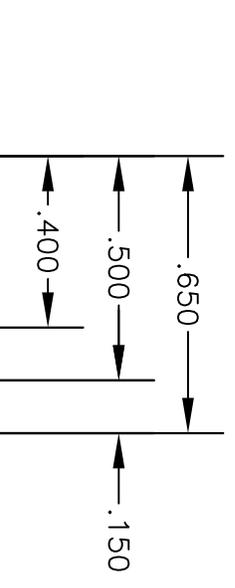
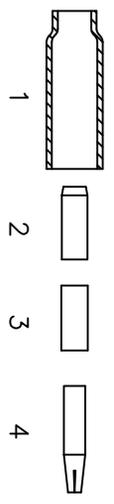
Pasternack Enterprises, Inc.
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Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

| MATERIALS | |
|-----------|---------------------|
| BODY | BRASS NICKEL PLATED |
| CONTACT | GOLD PLATED |
| INSULATOR | PTFE |



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 SIZES REQUIRED

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

DWG TITLE
PE4396



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COAXIAL & FIBER OPTICS
 ESTABLISHED 1972

| | |
|----------|---|
| DES. | BNC MALE, RIGHT ANGLE, CRIMP ATTACHMENT FOR RG188-DS & RG316-DS |
| SIZE A | FSCM NO. 53919 |
| CAD FILE | 051302 |
| SCALE | N/A |
| | 127 |

NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG316-DS

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range | DC | | 3 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 70 | | % |
| Operating Voltage (AC) | | | 1,200 | Vrms |
| Nominal Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|--------|----|----------|
| Frequency | 0.1 | 0.4 | 1 | 3 | | GHz |
| Attenuation, Typ | 11.5 | 17.2 | 30 | 54.5 | | dB/100ft |
| | 37.73 | 56.43 | 98.43 | 178.81 | | dB/100m |
| Input Power (CW), Max | 430 | 210 | 130 | | | Watts |

Mechanical Specifications

| | |
|-----------------------------|--------------------------|
| Diameter | 0.114 in [2.9 mm] |
| Weight | 0.015 lbs/ft [0.02 Kg/m] |
| Min. Bend Radius (Repeated) | 0.591 in [15.01 mm] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|----------------------------|-----------------|
| Inner Conductor | Copper Clad Steel, Silver7 | 0.02 in 0.51 mm |
| Conductor Type | Stranded | |
| Dielectric | PTFE | 0.06 in 1.52 mm |
| First Shield | Silver Plated Copper Braid | |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket RG316-DS](#)

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG316-DS

| | | |
|---------------|----------------------------|-------------------|
| Second Shield | Silver Plated Copper Braid | 0.094 in 2.39 mm |
| Jacket | FEP, Tan | 0.114 in [2.9 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 RG316-DS Coax Cable Double Shielded with Tan FEP 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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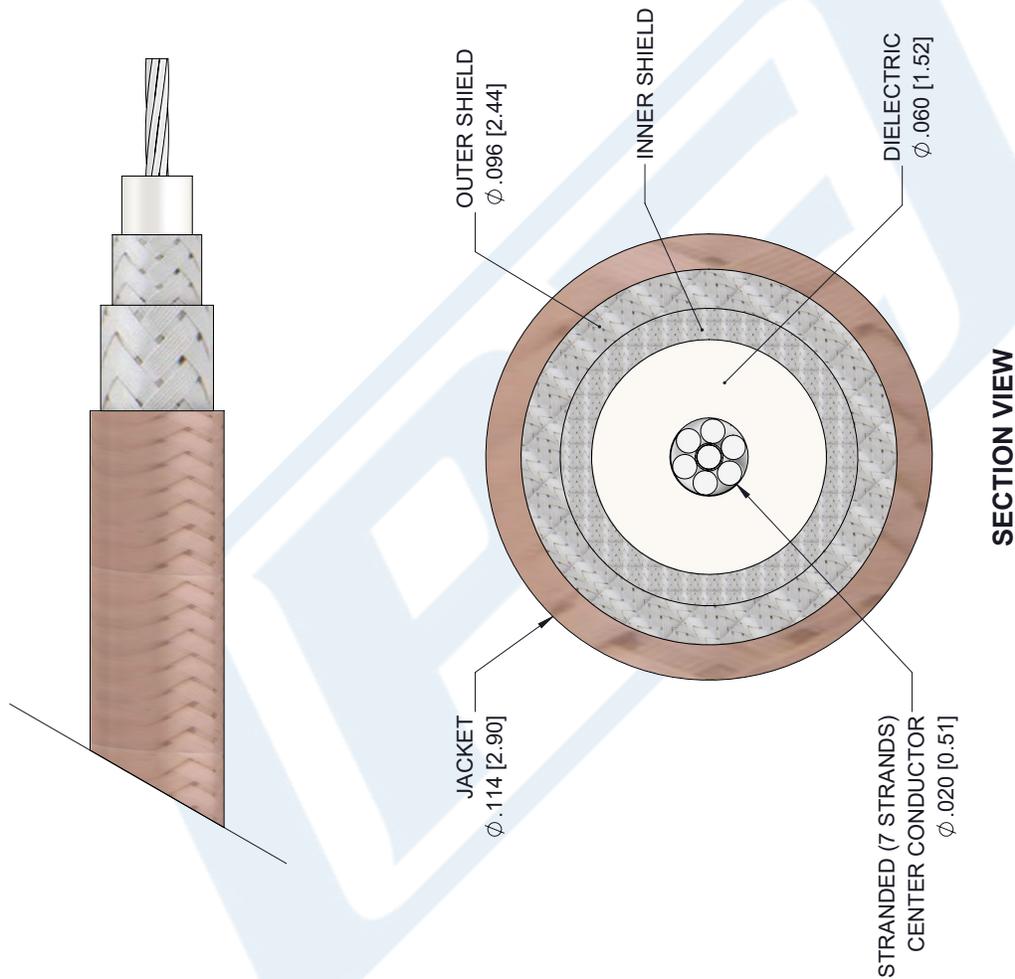
URL: <https://www.pasternack.com/flexible-0.114-rg316-ds-50-ohm-coax-cable-fep-jacket-rg316-ds-p.aspx>

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RG316-DS CAD Drawing

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

| REVISIONS | | | |
|-----------|-----------------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| 1.1 | PCR RG316-DS 20190701 | 07/15/19 | S.ELLIS |



| | | | |
|--|--|---|--|
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| SIZE A CAGE 53919 DRAWN BY K.Dang | | PART NUMBER RG316-DS | |
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