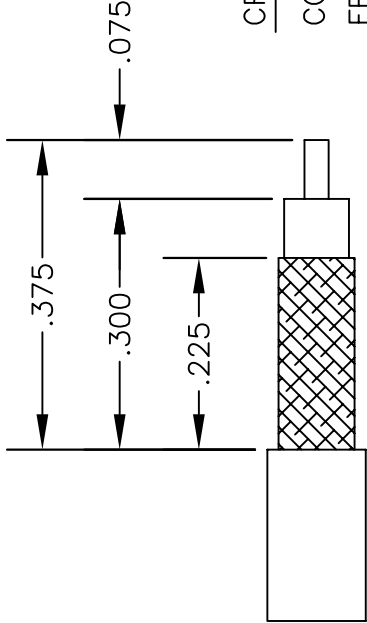
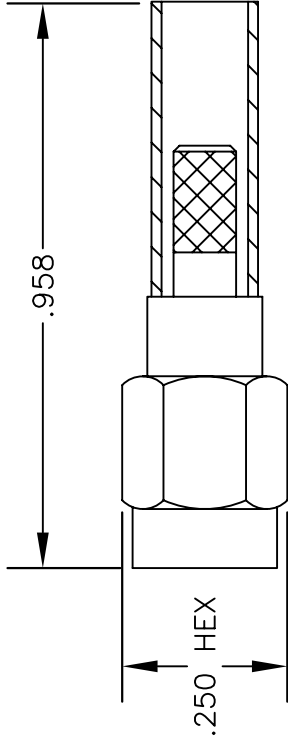


| MATERIALS |                     |
|-----------|---------------------|
| BODY      | BRASS NICKEL PLATED |
| CONTACT   | GOLD PLATED         |
| INSULATOR | PTFE                |
|           |                     |



CRIMP SIZE REQUIRED  
CONTACT: SOLDER  
FERRULE: .151" HEX CRIMP TOOL

STRIPPING DIMENSIONS



PASTERNACK ENTERPRISES, INC.  
P.O. BOX 16759, IRVINE, CA 92623  
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E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.com)  
COAXIAL & FIBER OPTICS

|                |                |                                                     |           |
|----------------|----------------|-----------------------------------------------------|-----------|
| DWG TITLE      |                | DES.                                                |           |
| <b>PE44416</b> |                | SSMA MALE, CRIMP ATTACHMENT FOR RG188-DS & RG316-DS |           |
| SIZE A         | FSCM NO. 53919 | CAD FILE                                            | SCALE N/A |
|                |                | 121803                                              | 127       |

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



## MMCX Plug Connector Crimp/Solder Attachment For RG188-DS, RG316-DS

### TECHNICAL DATA SHEET

**PE44874**

#### MMCX Plug Connector Crimp/Solder Attachment For RG188-DS, RG316-DS

##### Configuration

|                                          |                    |
|------------------------------------------|--------------------|
| Connector                                | MMCX Plug          |
| Connector Interface Type                 | RG188-DS, RG316-DS |
| Cable Attachment Method (Shield/Contact) | Crimp/Solder       |
| Body Style                               | Straight           |

##### Electrical Specifications

|                                       |         |
|---------------------------------------|---------|
| Frequency Range, GHz                  | DC to 6 |
| Impedance, Ohms                       | 50      |
| Maximum VSWR                          | 1.22:1  |
| Maximum Operating Voltage, Volts      | 250     |
| Dielectric Withstanding Voltage, Vrms | 500     |

##### Mechanical Specifications

###### Temperature

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -55 to +155 |
|------------------------|-------------|

###### Size

|                     |              |
|---------------------|--------------|
| Length, in [mm]     | 0.64 [16.26] |
| Width/Dia., in [mm] | 0.18 [4.57]  |
| Weight, lbs [g]     | 0.003 [1.36] |

###### Connector

|                               |                 |
|-------------------------------|-----------------|
| Type                          | MMCX Plug       |
| Contact Material and Plating  | Brass, Gold     |
| Contact Plating Specification | 30µ in. minimum |
| Body Material and Plating     | Brass, Gold     |
| Body Plating Specification    | 3µ in. minimum  |
| Dielectric Type               | Teflon          |

##### Compliance Certifications (visit [www.Pasternack.com](http://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: [MMCX Plug Connector Crimp/Solder Attachment For RG188-DS, RG316-DS PE44874](#)

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.



MMCX Plug Connector Crimp/Solder  
Attachment For RG188-DS, RG316-DS

**TECHNICAL DATA SHEET**

**PE44874**

**Plotted and Other Data**

Notes:

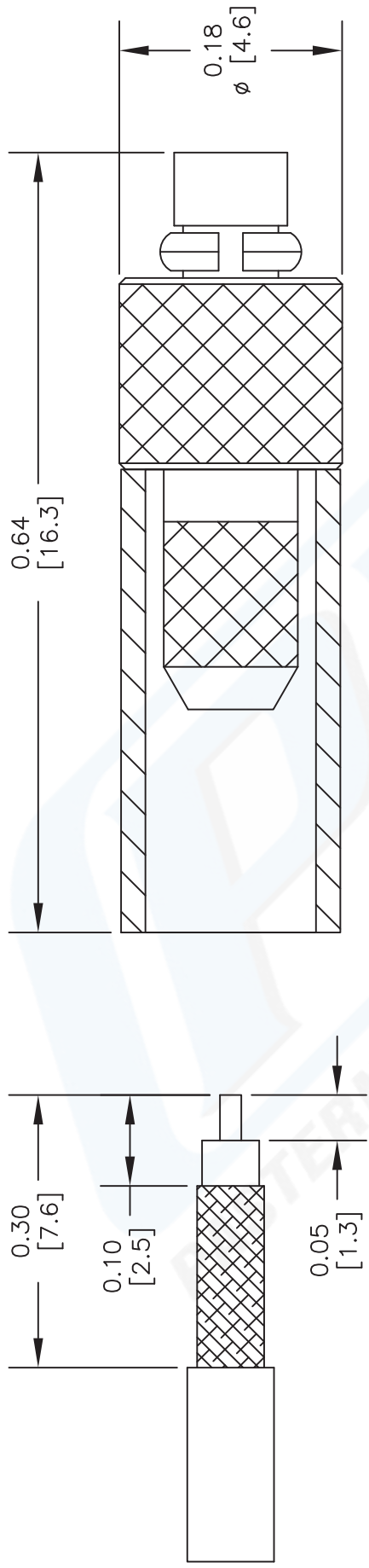
Values at 25 °C, sea level

MMCX Plug 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 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: [MMCX Plug Connector Crimp/Solder Attachment For RG188-DS, RG316-DS PE44874](http://www.pasternack.com/mmcx-plug-standard-rg188-ds-rg316-ds-connector-pe44874-p.aspx)

URL: <http://www.pasternack.com/mmcx-plug-standard-rg188-ds-rg316-ds-connector-pe44874-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.



STRIPPING DIMENSIONS  
CRIMP SIZE REQUIRED  
CONTACT: SOLDER  
FERRULE: .128" HEX CRIMP TOOL

|           |  |                |  |                                                                                                                                                                                                                      |  |           |        |      |
|-----------|--|----------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|--------|------|
| DWG TITLE |  | FSCM NO. 53919 |  | CAD FILE 111413                                                                                                                                                                                                      |  | SCALE N/A | SIZE A | 2233 |
| PE44874   |  | NOTES:         |  | 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm].<br>4. FITS MIL-C-17 AND EQUIVALENT CABLES. |  |           |        |      |



**PASTERNAK®**  
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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       |         | 69.5          |         | %            |
| Shielding Effectiveness       | 85      |               |         | dB           |
| Operating Voltage (AC)        |         |               | 1,200   | Vrms         |
| Inner Conductor DC Resistance |         |               | 83.82   | Ohms/1000ft  |
| Outer Conductor DC Resistance |         |               | 5.33    | Ohms/1000ft  |
| Nominal Capacitance           |         | 28.96 [95.01] |         | pF/ft [pF/m] |
| Insulation Resistance         | 304.8   |               |         | MOhms/1000ft |

#### Performance by Frequency Band

| Description           | F1    | F2    | F3     | F4    | F5     | Units    |
|-----------------------|-------|-------|--------|-------|--------|----------|
| Frequency             | 0.1   | 0.4   | 1      | 2     | 3      | GHz      |
| Attenuation, Max      | 10.97 | 20.97 | 37.95  | 45.05 | 57.94  | dB/100ft |
|                       | 35.99 | 68.8  | 124.51 | 147.8 | 190.09 | dB/100m  |
| Attenuation, Typ      | 8.29  | 17.5  | 29     | 39.41 | 53.55  | dB/100ft |
|                       | 27.2  | 57.41 | 95.14  | 129.3 | 175.69 | dB/100m  |
| Input Power (CW), Max | 375   | 185   | 120    | 85    | 65     | Watts    |

#### Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.114 in [2.9 mm]        |
| Weight                          | 0.015 lbs/ft [0.02 Kg/m] |
| Min. Bend Radius (Installation) | 0.59 in [14.99 mm]       |
| Min. Bend Radius (Repeated)     | 1.57 in [39.88 mm]       |

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**

#### 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           |                   |
| 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

Storage Range

0 to +40 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.

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](#)

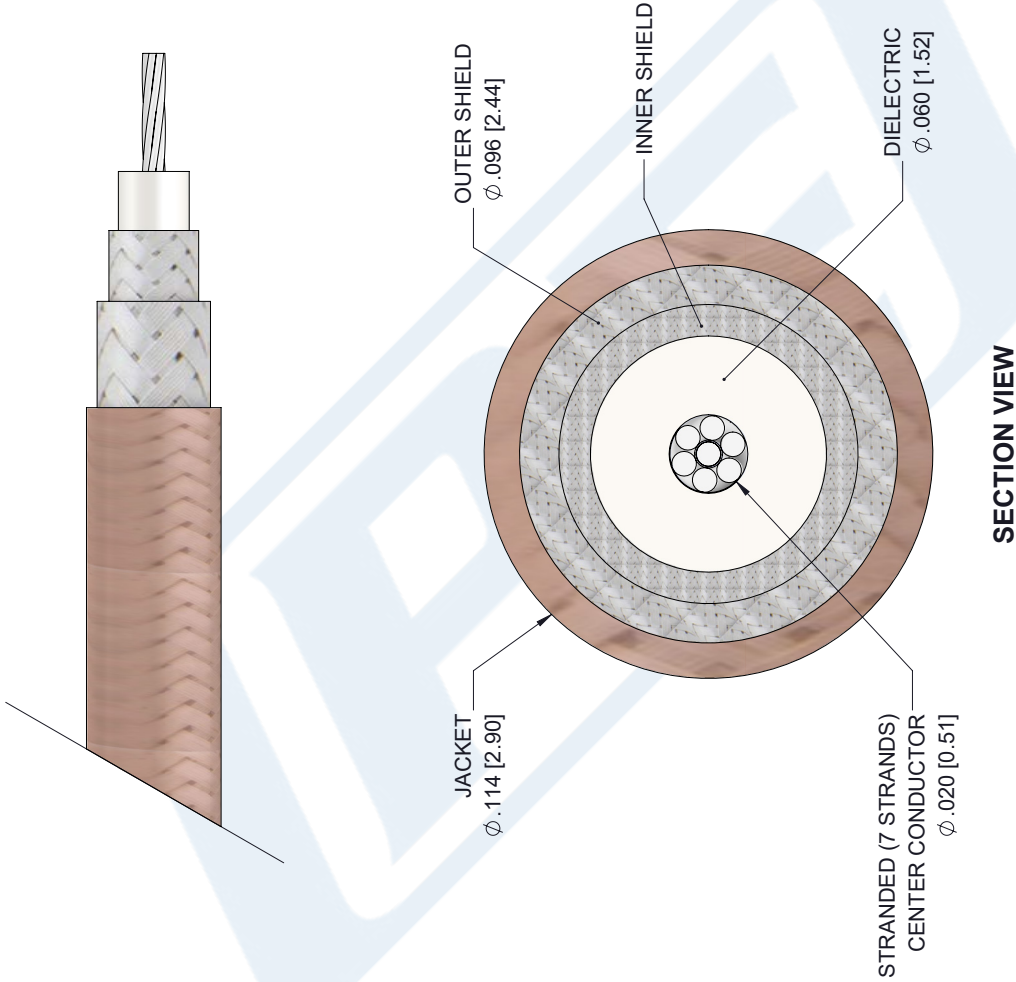
URL: <https://www.pasternack.com/flexible-0.114-rg316-ds-50-ohm-coax-cable-fep-jacket-rg316-ds-p.aspx>

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.

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  |



|                                                                                                  |             |
|--------------------------------------------------------------------------------------------------|-------------|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |             |
| TOLERANCES:                                                                                      | FRACTIONS   |
| X±.2 [5.08]                                                                                      | ±.132       |
| XX±.01 [.25]                                                                                     | ±.132       |
| XXX±.005 [.13]                                                                                   | ANGLES ± 1° |
| ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY.                                                  |             |
| THIRD-ANGLE PROJECTION                                                                           |             |
|                                                                                                  |             |

|                                                                                                                                                                                         |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>PE PASTERNAK</b><br>an INFINITO brand                                                                                                                                                |          |
| Pasternack Enterprises, Inc.<br>P.O. Box 16759, Irvine, CA 92623.<br>Phone: 1.949.261.1920   1.866.727.8376<br>Fax: 1.949.261.7451<br>www.pasternack.com   e-mail: sales@pasternack.com |          |
| SIZE                                                                                                                                                                                    | CAGE     |
| A                                                                                                                                                                                       | 53919    |
| DRAWN BY                                                                                                                                                                                | K.Dang   |
| PART NUMBER                                                                                                                                                                             | RG316-DS |
| REV                                                                                                                                                                                     | A        |

|                                                                                                                        |        |
|------------------------------------------------------------------------------------------------------------------------|--------|
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| SHEET                                                                                                                  | 1 OF 1 |
| SCALE                                                                                                                  | N/A    |

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