



## 10-32 Male Right Angle to 10-32 Male Cable Using RG316-DS Coax with HeatShrink, LF Solder

### RF Cable Assemblies Technical Data Sheet

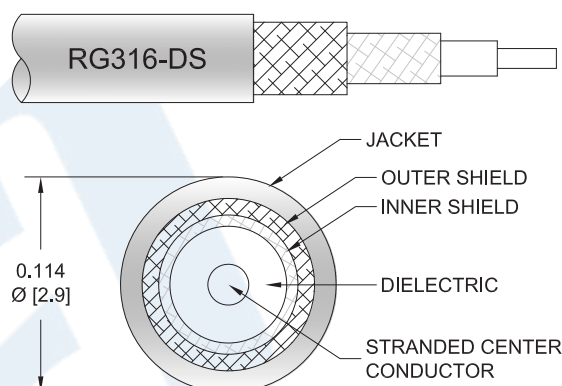
**PE37631LF/HS**

#### Configuration

- Connector 1: 10-32 Male Right Angle
- Connector 2: 10-32 Male
- Cable Type: RG316-DS

#### Features

- Shielding Effectivity > 85 dB
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE37631LF/HS 10-32 male right angle to 10-32 male cable using RG316-DS coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack 10-32 to 10-32 cable assembly has a male to male gender configuration with 50 ohm flexible RG316-DS coax. The right angle 10-32 interface on the RG316-DS cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 85 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

| Description                   | Minimum | Typical       | Maximum | Units           |
|-------------------------------|---------|---------------|---------|-----------------|
| Velocity of Propagation       |         | 69.5          |         | %               |
| RF Shielding                  | 85      |               |         | dB              |
| Capacitance                   |         | 28.96 [95.01] |         | pF/ft [pF/m]    |
| DC Resistance Inner Conductor |         | 83.82 [275]   |         | Ω/1000ft [Ω/Km] |
| DC Resistance Outer Conductor |         | 5.33 [17.49]  |         | Ω/1000ft [Ω/Km] |

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 to 10-32 Male Cable Using RG316-DS Coax with HeatShrink, LF Solder PE37631LF/HS](#)



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**PE37631LF/HS**

### Mechanical Specifications

#### Cable Assembly

Weight 0.035 lbs [15.88 g]

#### Cable

Cable Type RG316-DS  
Impedance 50 Ohms  
Inner Conductor Type Stranded  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 2  
Shield Layer 1 Silver Plated Copper Braid  
Shield Layer 2 Silver Plated Copper Braid  
Jacket Material FEP, Tan  
Jacket Diameter 0.114 in [2.9 mm]

One Time Minimum Bend Radius 0.59 in [14.99 mm]

Repeated Minimum Bend Radius 1.57 in [39.88 mm]

#### Connectors

| Description                        | Connector 1            | Connector 2        |
|------------------------------------|------------------------|--------------------|
| Type                               | 10-32 Male Right Angle | 10-32 Male         |
| Impedance                          | 50 Ohms                | 50 Ohms            |
| Contact Material and Plating       | Gold                   | Brass, Gold        |
| Contact Plating Specification      |                        | 30μ in. minimum    |
| Dielectric Type                    | PTFE                   | Teflon             |
| Body Material and Plating          | Brass, Nickel          | Brass, Nickel      |
| Body Plating Specification         |                        | 100μ in. minimum   |
| Coupling Nut Material and Plating  | Brass, Nickel          | Brass, Nickel      |
| Coupling Nut Plating Specification |                        | 100μ in. minimum   |
| Hex Size                           |                        | 1/4 in.            |
| Torque                             |                        | 3 in-lbs [0.34 Nm] |

### Environmental Specifications

#### Temperature

Operating Range -55 to +200 deg C

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## 10-32 Male Right Angle to 10-32 Male Cable Using RG316-DS Coax with HeatShrink, LF Solder

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**PE37631LF/HS**

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

#### Plotted and Other Data

Notes:

#### How to Order

Part Number Configuration:

**PE37631LF/HS - xx uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE37631LF/HS-12 = 12 inches long cable  
PE37631LF/HS-100cm = 100 cm long cable

10-32 Male Right Angle to 10-32 Male Cable Using RG316-DS Coax with HeatShrink, LF Solder 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: [10-32 Male Right Angle to 10-32 Male Cable Using RG316-DS Coax with HeatShrink, LF Solder PE37631LF/HS](#)

URL: <https://www.pasternack.com/10-32-male-right-angle-to-10-32-male-cable-using-rg316-ds-with-heatshrink-lf-solder-pe37631lf-hs-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.

# PE37631LF/HS CAD Drawing

10-32 Male Right Angle to 10-32 Male Cable Using RG316-DS Coax with HeatShrink, LF Solder

