

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

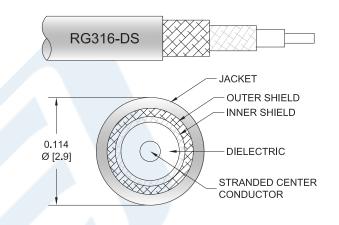
Configuration

· Connector 1: 10-32 Male Right Angle

Connector 2: 10-32 MaleCable 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

Minimum	Typical	Maximum	Units
	69.5		%
85			dB
	28.96 [95.01]		pF/ft [pF/m]
	83.82 [275]		Ω/1000ft [Ω/Km]
	5.33 [17.49]		Ω/1000ft [Ω/Km]
		69.5 85 28.96 [95.01] 83.82 [275]	69.5 85 28.96 [95.01] 83.82 [275]

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

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com



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Mechanical Specifications

Cable Assembly

Weight 0.035 lbs [15.88 g]

Cable

Cable Type Impedance

Inner Conductor Type

Inner Conductor Material and Plating

Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2

Jacket Material Jacket Diameter

One Time Minimum Bend Radius Repeated Minimum Bend Radius

RG316-DS 50 Ohms Stranded

Copper Clad Steel, Silver

PTFE 2

> Silver Plated Copper Braid Silver Plated Copper Braid

FEP, Tan

0.114 in [2.9 mm]

0.59 in [14.99 mm] 1.57 in [39.88 mm]

Connectors

Description	Connector 1	Connector 2
Туре	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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Base Number

RF Cable Assemblies Technical Data Sheet

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

clank> = Inches
Length

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.

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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.

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PE37631LF/HS CAD Drawing 10-32 Male Right Angle to 10-32 Male Cable Using RG316-DS Coax with HeatShrink, LF Solder O ш ш INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 10-32 MALE RIGHT ANGLE TO 10-32 MALE CABLE USING RG316-DS COAX WITH HEATSHRINK, LF SOLDER APPROVED BY SRAUTUS 1 PF SHEET PE37631LF/HS NONE CHANGED BY KGLEBOVA PASTERNACK ITEM NO. Website: www.Pasternack.com Phone: 1.866.727.8376 | 1.949.261.1920 02/10/2023 DATE an INFINIT® brand REVISION 10-32 MALE-CONNECTOR KGLEBOVA DRAWN BY INITIAL RELEASE DESCRIPTION 1/4 HEX CAGE CODE 53919 SIZE ⋖ ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. >60 [1524] < 120 [3048] = +4 [102] / -0 >120 [3048] < 300 [7620] = +6 [152] / -0 UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS ± 1/32 ANGLES ± 1° ≤12 [305] = +1 [25] / -0 >12 [305] < 60 [1524] = +2 [51] / -0 FRACTIONS CABLE LENGTH TOLERANCES: >300 [7620] = +5% / -0 က REV. ⋖ TOLERANCES: ZONE $X = \pm .2$ [5] $X = \pm .2$ [5] $X = \pm .02$ [.5] $X = \pm .02$ [.7] SEE NOTE LENGTH RG316-DS CABLE LABEL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PRAT OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINE ELECTRONICS, INC. IS PROHIBITED.
THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO US. LAW PROHIBITED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY 2X HEAT SHRINK RIGHT ANGLE CONNECTOR 10-32 MALE 2 FROM EACH CONNECTOR. NOTES: $\ddot{\circ}$ PE37631LF/HS REV 1.0 В

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