

Water Blue FAKRA Jack to Straight Cut Lead Cable Using RG316-DS Coax

PE3C9937

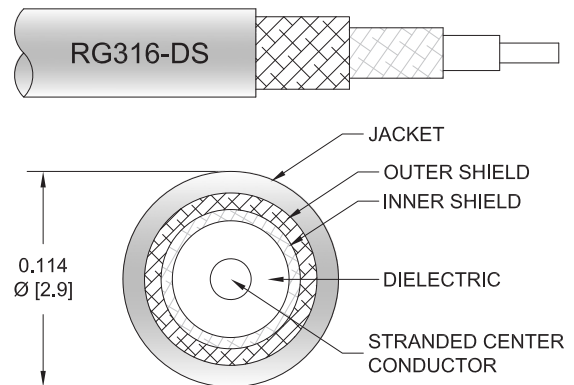


Configuration

- Connector 1: FAKRA Jack
- Connector 2: Straight Cut Lead
- Cable Type: RG316-DS
- Coax Flex Type: Flexible

Features

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



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C9937 50 ohm water blue FAKRA jack to straight cut lead 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. 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]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		5.33 [17.49]		Ohms/1000ft [Ohms/Km]

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.022 lbs [9.98 g]

Cable

Cable Type	RG316-DS
Impedance	50 Ohms

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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	FAKRA Jack	Straight Cut Lead
Impedance	50 Ohms	0 Ohms
Configuration	Straight	Straight
Color	WB	
Contact Material and Plating	Phosphor Bronze, Gold	
Dielectric Type	Teflon	
Outer Conductor Material and Plating	Brass, Nickel	
Body Material and Plating	Plastic, Paint	

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3C9937

Typical Performance Data

How to Order

Part Number Configuration:

PE3C9937

- xx

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C9937-12 = 12 inches long cable
PE3C9937-100cm = 100 cm long cable

Water Blue FAKRA Jack to Straight Cut Lead Cable Using RG316-DS Coax 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: [Water Blue FAKRA Jack to Straight Cut Lead Cable Using RG316-DS Coax PE3C9937](https://www.pasternack.com/fakra-jack-to-straight-cut-lead-cable-using-rg316-ds-pe3c9937-p.aspx)

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The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3C9937 CAD Drawing
Water Blue FAKRA Jack to Straight Cut Lead Cable Using RG316-DS Coax

