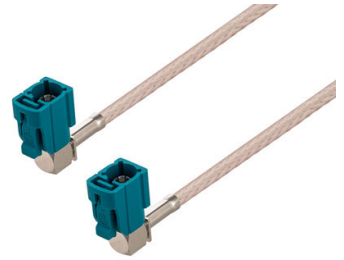


Water Blue FAKRA Jack Right Angle to FAKRA Jack Right Angle Cable Using RG316-DS Coax

PE3C8369



Configuration

- Connector 1: FAKRA Jack Right Angle
- Connector 2: FAKRA Jack Right Angle
- Cable Type: RG316-DS
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- Shielding Effectivity > 85 dB
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C8369 water blue FAKRA jack right angle to FAKRA jack right angle 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 FAKRA to FAKRA cable assembly has a jack to jack gender configuration with 50 ohm flexible RG316-DS coax. The PE3C8369 FAKRA jack to FAKRA jack cable assembly operates to 3 GHz. The right angle FAKRA interfaces on the RG316-DS cable allow for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 85 dB.

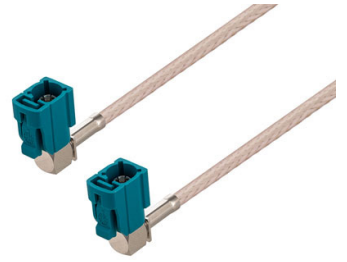
Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector 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
Frequency Range	DC		3	GHz
VSWR			1.4:1	
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]
Operating Voltage (AC)			335	Vrms

Specifications by Frequency

Water Blue FAKRA Jack Right Angle to FAKRA Jack Right Angle Cable Using RG316-DS Coax



PE3C8369

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	3000	MHz	
PE3C8369	Custom Lengths Available	Insertion Loss (Typ.)	0.08	0.13	0.19	0.29	0.536	dB/ft	
			0.28	0.43	0.64	0.96	1.76	dB/m	
PE3C8369-6	6 inch	Insertion Loss (Typ.)	0.55	0.57	0.6	0.65	0.77	dB	0.047
PE3C8369-12	12 inch	Insertion Loss (Typ.)	0.59	0.63	0.7	0.79	1.04	dB	0.054
PE3C8369-24	24 inch	Insertion Loss (Typ.)	0.67	0.76	0.89	1.08	1.58	dB	0.069
PE3C8369-36	36 inch	Insertion Loss (Typ.)	0.75	0.89	1.09	1.37	2.11	dB	0.083
PE3C8369-48	48 inch	Insertion Loss (Typ.)	0.84	1.02	1.28	1.66	2.65	dB	0.097

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.25 dB
Loss due to Connector 2:	0.25 dB
Base Weight:	0.054 pounds
Additional Weight per Inch:	0.00117 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.054 lbs [24.49 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]

Water Blue FAKRA Jack Right Angle to FAKRA Jack Right Angle Cable Using RG316-DS Coax

PE3C8369



Connectors

Description	Connector 1	Connector 2
Type	FAKRA Jack Right Angle	FAKRA Jack Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Color	WB	WB
Contact Material and Plating	Phosphor Bronze, Gold	Phosphor Bronze, Gold
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Nickel	Brass, Nickel
Body Material and Plating	Plastic	Plastic

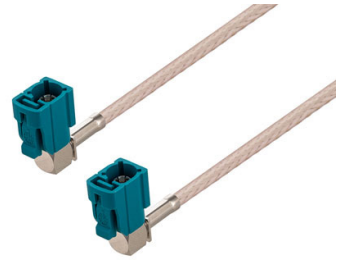
Environmental Specifications

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

Plotted and Other Data

Notes:

Water Blue FAKRA Jack Right Angle to FAKRA Jack Right Angle Cable Using RG316-DS Coax



PE3C8369

Typical Performance Data

How to Order

Part Number Configuration:

PE3C8369

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C8369-12 = 12 inches long cable
PE3C8369-100cm = 100 cm long cable

Water Blue FAKRA Jack Right Angle to FAKRA Jack Right Angle 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.

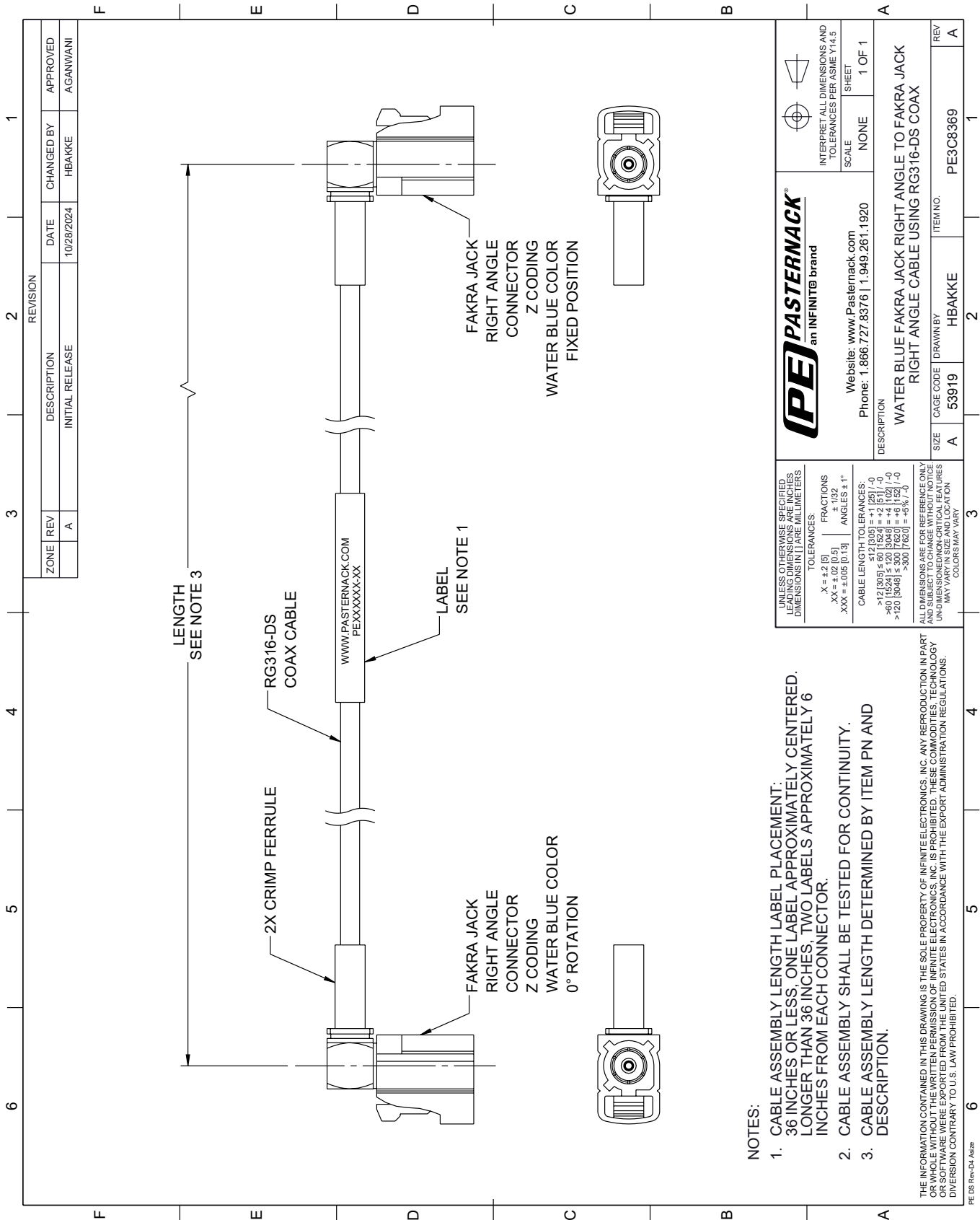
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Water Blue FAKRA Jack Right Angle to FAKRA Jack Right Angle Cable Using RG316-DS Coax PE3C8369](https://www.pasternack.com/fakra-jack-right-angle-to-fakra-jack-cable-using-rg316-ds-pe3c8369-p.aspx)

URL: <https://www.pasternack.com/fakra-jack-right-angle-to-fakra-jack-cable-using-rg316-ds-pe3c8369-p.aspx>

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PE3C8369 CAD Drawing

Water Blue FAKRA Jack Right Angle to FAKRA Jack Right Angle Cable Using RG316-DS Coax



NOTES:

- 1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6
INCHES FROM EACH CONNECTOR.
- 2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
- 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND
DESCRIPTION.

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UNLESS OTHERWISE SPECIFIED,
LEADING DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:	
.X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	
CABLE LENGTH TOLERANCES:	
>12 [305] ≤ 60 [1524] = ±1 [25] / -0	
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0	
>120 [3048] ≤ 300 [7620] = ±5% / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION COLORS MAY VARY	

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Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
SCALE	NONE
SHEET	1 OF 1
DESCRIPTION WATER BLUE FAKRA JACK RIGHT ANGLE TO FAKRA JACK RIGHT ANGLE CABLE USING RG316-DS COAX	
SIZE	A
CAGE CODE	53919
DRAWN BY	HBAKKE
ITEM NO.	PE3C8369
REV	A