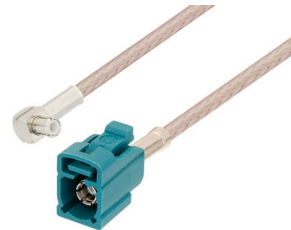


Water Blue FAKRA Jack to MCX Plug Right Angle
Cable Using RG316 Coax , LF Solder



RF Cable Assemblies Technical Data Sheet

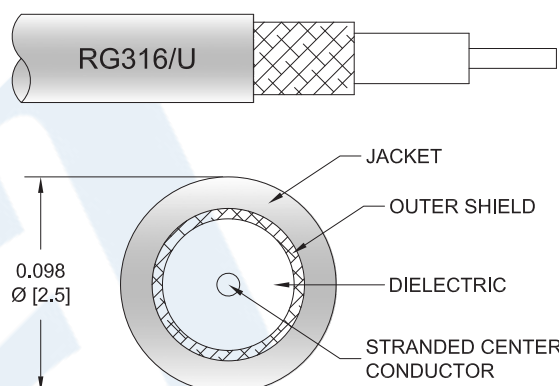
PE3C2457LF

Configuration

- Connector 1: FAKRA Jack
- Connector 2: MCX Plug Right Angle
- Cable Type: RG316

Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket



Applications

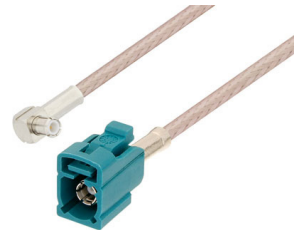
- General Purpose
- Laboratory Use

Description

Pasternack's PE3C2457LF water blue FAKRA jack to MCX plug right angle cable using RG316 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 MCX cable assembly has a jack to plug gender configuration with 50 ohm flexible RG316 coax. The PE3C2457LF FAKRA jack to MCX plug cable assembly operates to 3 GHz. The right angle MCX interface on the RG316 cable allows for easier connections in tight spaces.

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.

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 MCX Plug Right Angle Cable Using RG316 Coax , LF Solder PE3C2457LF](#)



Water Blue FAKRA Jack to MCX Plug Right Angle
Cable Using RG316 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C2457LF

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69		%
Operating Voltage (AC)			250	Vrms
Jacket Spark			2,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.11	0.16	0.238	0.38	0.58	dB/ft
	0.36	0.52	0.78	1.25	1.9	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB for the right angle connector and 0.1 dB for the straight connector.

Mechanical Specifications

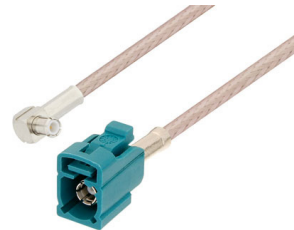
Cable Assembly

Weight 0.026 lbs [11.79 g]

Cable

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.102 in [2.59 mm]

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 MCX Plug Right Angle Cable Using RG316 Coax , LF Solder PE3C2457LF](#)



Water Blue FAKRA Jack to MCX Plug Right Angle
Cable Using RG316 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C2457LF

Connectors

Description	Connector 1	Connector 2
Type	FAKRA Jack	MCX Plug Right Angle
Specification		CECC 22220
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Phosphor Bronze, Gold	Brass, Gold
Contact Plating Specification		30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Nickel	
Body Material and Plating	Plastic	Brass, Nickel
Body Plating Specification		100 µin minimum

Environmental Specifications

Temperature

Operating Range

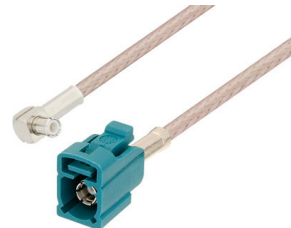
-40 to +60 deg C

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

Plotted and Other Data

Notes:

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 MCX Plug Right Angle Cable Using RG316 Coax , LF Solder PE3C2457LF](#)



Water Blue FAKRA Jack to MCX Plug Right Angle
Cable Using RG316 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C2457LF

How to Order

Part Number Configuration:

PE3C2457LF

- **xx**

uu

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

Example: PE3C2457LF-12 = 12 inches long cable
PE3C2457LF-100cm = 100 cm long cable

Water Blue FAKRA Jack to MCX Plug Right Angle Cable Using RG316 Coax , 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.

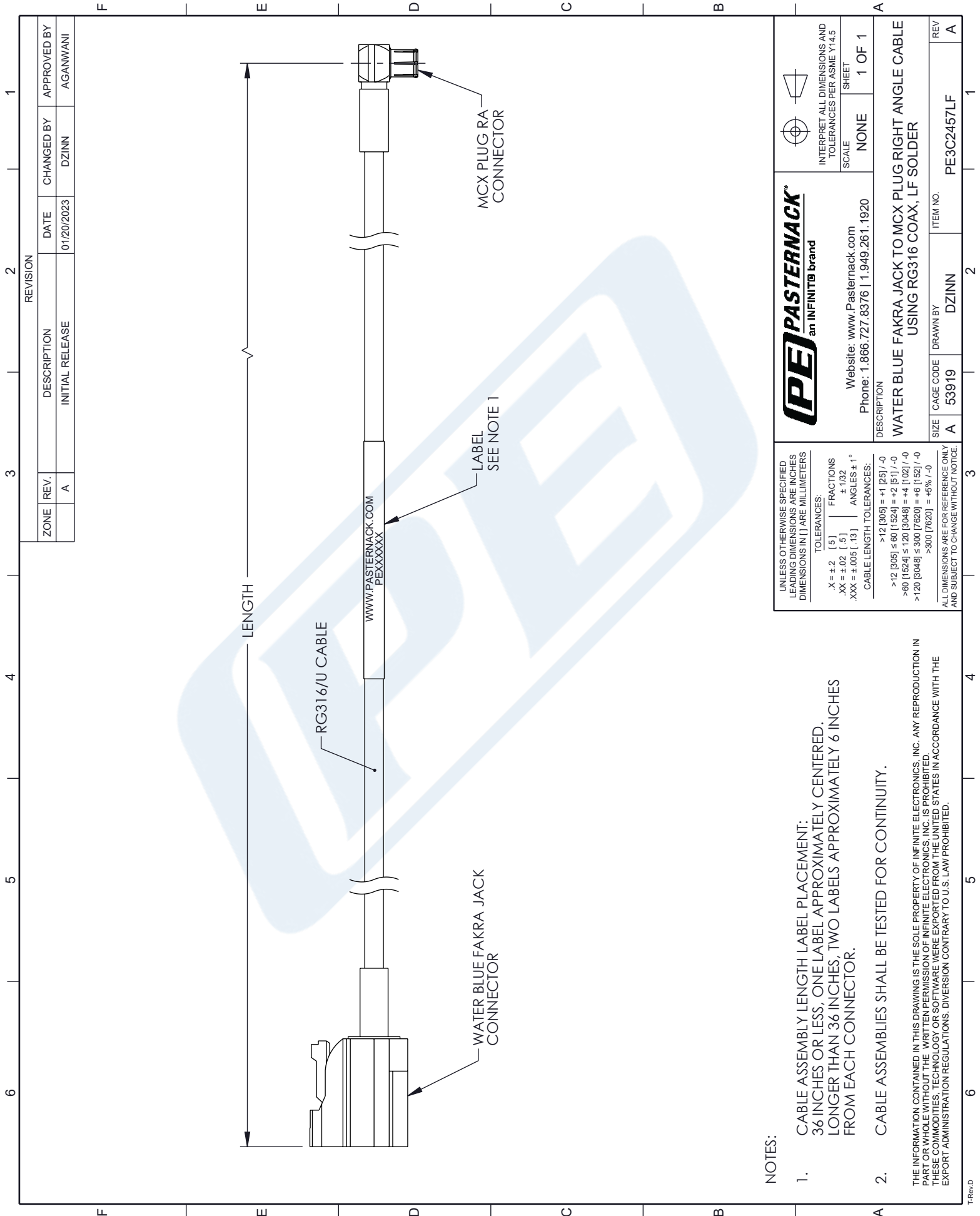
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Water Blue FAKRA Jack to MCX Plug Right Angle Cable Using RG316 Coax , LF Solder PE3C2457LF](https://www.pasternack.com/fakra-jack-to-mcx-plug-right-angle-cable-using-rg316-coax-lf-solder-pe3c2457lf-p.aspx)

URL: <https://www.pasternack.com/fakra-jack-to-mcx-plug-cable-using-rg316-lf-solder-pe3c2457lf-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.

PE3C2457LF CAD Drawing

Water Blue FAKRA Jack to MCX Plug Right Angle Cable Using RG316 Coax , LF Solder



NOTES:

- 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.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
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PASTERNAK an INFINITE brand		 SCALE: NONE SHEET: 1 OF 1	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		DESCRIPTION: WATER BLUE FAKRA JACK TO MCX PLUG RIGHT ANGLE CABLE USING RG316 COAX, LF SOLDER	
SIZE: A	CAGE CODE: 53919	DRAWN BY: DZINN	ITEM NO.: PE3C2457LF
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		TOLERANCES: .X = ±.2 [.5] FRACTIONS .XX = ±.02 [.5] ±.1/32 .XXX = ±.005 [.13] ANGLES ± 1° CABLE LENGTH TOLERANCES: >12 [305] = +1 [25] / -0 >60 [1524] = +2 [51] / -0 >120 [3048] = +4 [102] / -0 >300 [7620] = +6 [152] / -0 >600 [15240] = +8 [254] / -0 >1200 [30480] = +12 [305] / -0 ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	