



Water Blue FAKRA Jack Right Angle to MMCX Plug Right Angle
Cable Using RG188 Coax with HeatShrink, LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W09938LF/HS

Configuration

- Connector 1: FAKRA Jack Right Angle
- Connector 2: MMCX Plug Right Angle
- Cable Type: RG188

Features

- Max Frequency 3 GHz
- PTFE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W09938LF/HS water blue FAKRA jack right angle to MMCX plug right angle cable using RG188 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 MMCX cable assembly has a jack to plug gender configuration with 50 ohm flexible RG188 coax. The PE3W09938LF/HS FAKRA jack to MMCX plug cable assembly operates to 3 GHz. The right angle FAKRA and right angle MMCX interfaces on the RG188 cable allow 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.112	0.136	0.178	0.26	0.467	dB/ft
	0.37	0.45	0.58	0.85	1.53	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

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 MMCX Plug Right Angle Cable Using RG188 Coax with HeatShrink, LF Solder PE3W09938LF/HS](#)



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Mechanical Specifications

Cable Assembly

Weight 0.032 lbs [14.51 g]

Cable

Cable Type RG188
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 PTFE, White
Jacket Diameter 0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	FAKRA Jack Right Angle	MMCX Plug Right Angle
Specification		BS EN 122340
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	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, Gold
Body Plating Specification		3 µin minimum

Environmental Specifications

Temperature

Operating Range -55 to +250 deg C

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W09938LF/HS - xx

uu

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

Example: PE3W09938LF/HS-12 = 12 inches long cable
PE3W09938LF/HS-100cm = 100 cm long cable

Water Blue FAKRA Jack Right Angle to MMCX Plug Right Angle Cable Using RG188 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: [Water Blue FAKRA Jack Right Angle to MMCX Plug Right Angle Cable Using RG188 Coax with HeatShrink, LF Solder PE3W09938LF/HS](https://www.pasternack.com/fakra-jack-right-angle-to-mmcx-plug-right-angle-cable-using-rg188-coax-with-heatshrink-lf-solder-pe3w09938lf-hs)

URL: <https://www.pasternack.com/fakra-jack-right-angle-to-mmcx-plug-cable-using-rg188-with-heatshrink-lf-solder-pe3w09938lf-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.

PE3W09938LF/HS CAD Drawing

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