



Water Blue FAKRA Jack to FAKRA Jack
Cable Using PE-C100-LSZH Coax

TECHNICAL DATA SHEET

PE38746Z

Configuration

Connector 1	FAKRA Jack
Connector 2	FAKRA Jack
Cable Type	PE-C100-LSZH

Electrical Specifications

Frequency Range	DC to 4 GHz
Impedance	50 Ohms
Max VSWR	1.4:1
Velocity of Propagation	66 %
RF Shielding	90 dB

Performance by Frequency

Frequency 1

Frequency	100 MHz
VSWR	1.4:1
Return Loss	15.56 dB
Insertion Loss	0.27 dB/ft [0.89 dB/m]

Frequency 2

Frequency	250 MHz
VSWR	1.4:1
Return Loss	15.563 dB
Insertion Loss	0.315 dB/ft [1.03 dB/m]

Frequency 3

Frequency	500 MHz
VSWR	1.4:1
Return Loss	15.563 dB
Insertion Loss	0.366 dB/ft [1.2 dB/m]

Frequency 4

Frequency	1000 MHz
VSWR	1.4:1
Return Loss	15.563 dB
Insertion Loss	0.436 dB/ft [1.43 dB/m]

Frequency 5

Frequency	4 GHz
VSWR	1.4:1
Return Loss	15.563 dB
Insertion Loss	0.689 dB/ft [2.26 dB/m]

Mechanical Specifications

Size

Diameter	0.37 in [9.4 mm]
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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 FAKRA Jack Cable Using PE-C100-LSZH Coax PE38746Z](#)



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Weight	0.03 lbs [13.61 g]
Cable Color	Black
One Time Minimum Bend Radius	0.25 in [6.35 mm]
Repeated Minimum Bend Radius	1 in [25.4 mm]

Cable

Cable Type	PE-C100-LSZH
Inner Conductor Type	Solid
Cable Inner Conductor	Copper Clad Steel
No of Shields	2
Dielectric Type	PE
Jacket Material	LSZH
Jacket Diameter	0.109 in [2.77 mm]

Connector 1

Type	FAKRA Jack
Configuration	Straight
Inner Conductor Material and Plating	Phosphor Bronze, Gold
Outer Conductor Material and Plating	Brass, Nickel
Body Material and Plating	Plastic, Paint
Dielectric Type	Teflon

Connector 2

Type	FAKRA Jack
Configuration	Straight
Inner Conductor Material and Plating	Phosphor Bronze, Gold
Outer Conductor Material and Plating	Brass, Nickel
Body Material and Plating	Plastic, Paint
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

For RoHS Compliant version, use PE38746zLF. Contact Pasternack if product cannot be found.

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

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PE38746Z

How to Order

Part Number Configuration:

PE38746Z

- **xx**

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

Example: PE38746Z-12 = 12 inches long cable
PE38746Z-100cm = 100 cm long cable

Water Blue FAKRA Jack to FAKRA Jack Cable Using PE-C100-LSZH Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

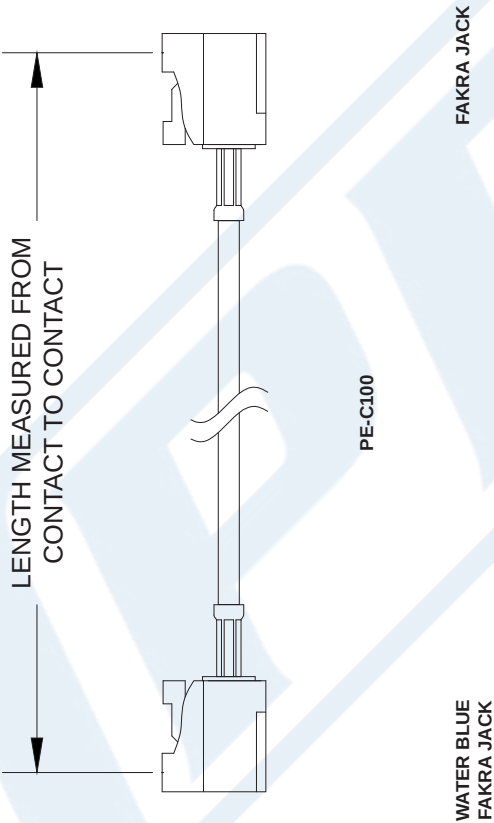
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Water Blue FAKRA Jack to FAKRA Jack Cable Using PE-C100-LSZH Coax PE38746Z](http://www.pasternack.com/fakra-jack-fakra-jack-pe-c100-cable-assembly-pe38746z-p.aspx)

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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.

PE38746Z CAD Drawing

Water Blue FAKRA Jack to FAKRA Jack Cable Using PE-C100 Coax



How To Order			Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration PE3 [zzz] [yy] - [xx] [uu] 00 - 99999 LF = RoHS Compliant < Blank > = Standard Note: LF applies only to RF cables			-12	12"	-25CM	25Cm
			-24	24"	-50CM	50Cm
			-36	36"	-75CM	75Cm
			-48	48"	-100CM	100Cm
			-60	60"	-125CM	125Cm
			-xx	Custom Length	-xxCM	Custom Length



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- NOTES:
- 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 - 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 - 3. DIMENSIONS ARE IN INCHES [mm].
 - 4. LENGTH TOLERANCE IS $\pm 1.5\%$ OR $3/8"$, WHICHEVER IS GREATER.

DWG TITLE

PE38746Z

FSCM NO. 53919

CAD FILE 41613

SCALE N/A

SIZE A