

Water Blue FAKRA Plug to FAKRA Jack Cable Using RG316 Coax

The FAKRA plug to FAKRA jack cable using RG-316 coax, part number FMCA1356Z, from Fairview Microwave is in-stock and ships same day. This Fairview FAKRA to FAKRA cable assembly has a plug to jack gender configuration with 50 ohm flexible RG316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA1356Z FAKRA plug to FAKRA jack cable assembly operates to 3 GHz.

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 RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.31	0.36	0.438	0.58	0.78	dB/ft
	1.02	1.18	1.44	1.9	2.56	dB/m

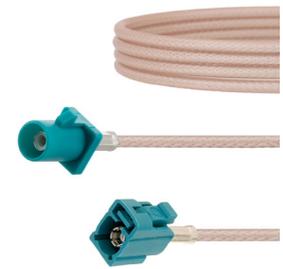
Mechanical Specifications

Cable Assembly

Diameter	0.37 in [9.4 mm]
Weight	0.027 lbs [12.25 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	0.098 in [2.49 mm]



Configuration:

- FAKRA Plug
- FAKRA Jack
- RG316

Features:

- Max Frequency 3 GHz
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	FAKRA Plug	FAKRA Jack
Configuration	Straight	Straight
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Phosphor Bronze, Gold	Phosphor Bronze, Gold
Dielectric Type	Teflon	Teflon
Outer Cond Material & Plating	Brass, Nickel	Brass, Nickel
Body Material & Plating	Plastic, Paint	Plastic, Paint

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

Environmental Specifications
Temperature

Operating Range -40 to +80 deg C

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

Plotted and Other Data
Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMCA1356Z - xx uu

cm = Centimeters
 <blank> = Inches

Length

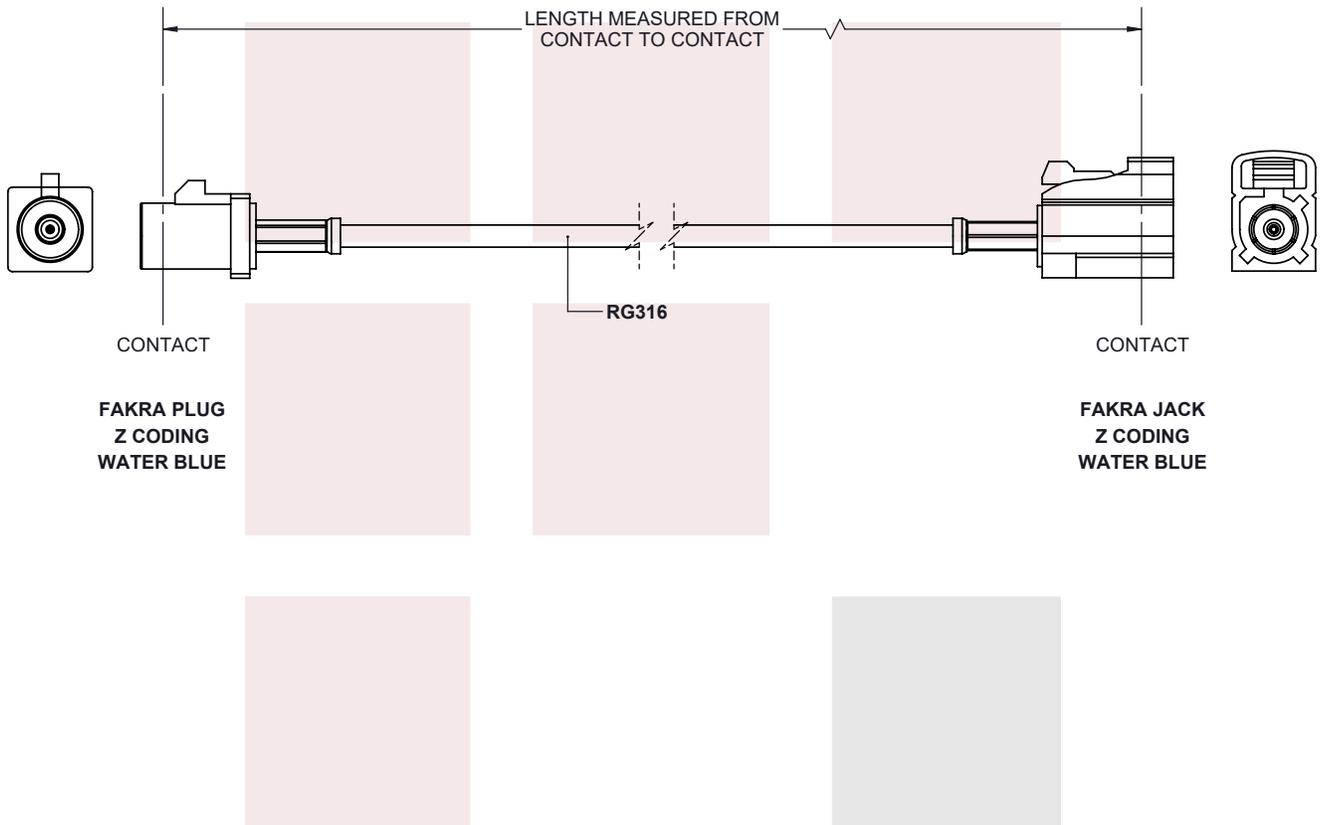
Example: FMCA1356Z-12 = 12 inches long cable
 FMCA1356Z-100cm = 100 cm long cable

Water Blue FAKRA Plug to FAKRA Jack Cable Using RG316 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Water Blue FAKRA Plug to FAKRA Jack Cable Using RG316 Coax FMCA1356Z](#)

URL: <https://www.fairviewmicrowave.com/fakra-plug-fakra-jack-cable-rg316-coax-fmca1356z-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



STANDARD TOLERANCES

.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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].

TITLE Water Blue FAKRA Plug to FAKRA Jack Cable Using RG316 Coax	DWG NO FMCA1356Z		CAGE CODE 3FKR5			
	CAD FILE 09/21/19	SHEET 1 OF 1	SCALE N/A	SIZE A	7361	