Fairview Microwave
an INFINITE brand

Water Blue FAKRA Plug to FAKRA Jack Cable Using RG174 Coax

The FAKRA plug to FAKRA jack cable using RG174 coax, part number FMCA1352Z, 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 RG174 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA1352Z FAKRA plug to FAKRA jack cable assembly operates to 1 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.

Configuration:

• FAKRA Plug
• FAKRA Jack
• RG174

Features:

• Max Frequency 1 GHz
• 66% Phase Velocity
• PVC Jacket

Applications:

• General Purpose
• Laboratory Use

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.242	0.284	0.337	0.412	0.52	dB/ft
	0.79	0.93	1.11	1.35	1.71	dB/m

Mechanical Specifications

Cable Assembly
Diameter   0.37 in [9.4 mm]

Cable
Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE (LD)
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.1 in [2.54 mm]

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

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: **FMCA1352Z   -   xx   uu**

                               cm = Centimeters
                              \<blank\> = Inches
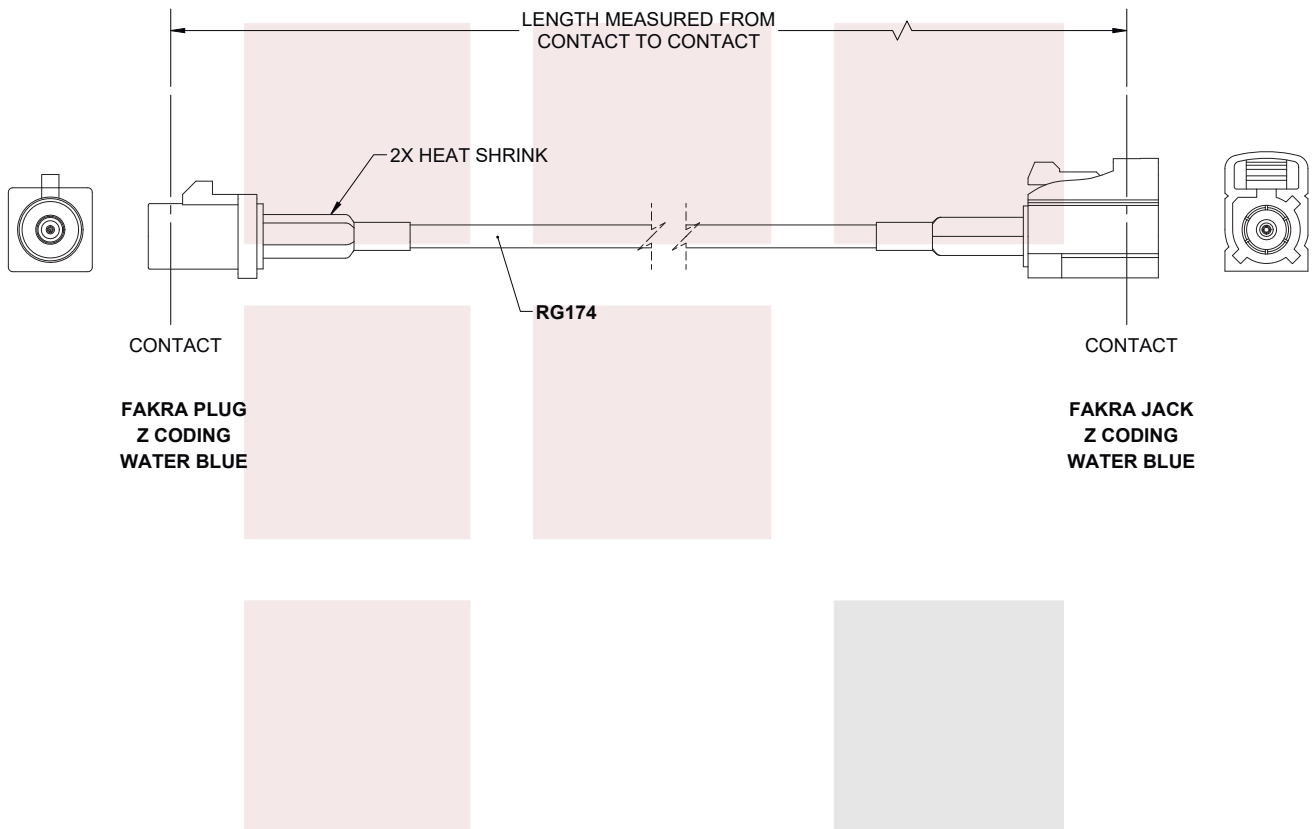
                       Length

Example: FMCA1352Z-12 = 12 inches long cable
                  FMCA1352Z-100cm = 100 cm long cable

Water Blue FAKRA Plug to FAKRA Jack Cable Using RG174 Coax from Fairview Microwave 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 to obtain additional part information: Water Blue FAKRA Plug to FAKRA Jack Cable Using RG174 Coax FMCA1352Z

URL: https://www.fairviewmicrowave.com/fakra-plug-fakra-jack-cable-rg174-coax-fmca1352z-p.aspx

LENGTH MEASURED FROM
CONTACT TO CONTACT

2X HEAT SHRINK

RG174

CONTACT

**FAKRA PLUG
Z CODING
WATER BLUE**

CONTACT

**FAKRA JACK
Z CODING
WATER BLUE**

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TITLE

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

TOLERANCES:

CABLE LENGTH (L) TOLERANCES:

.X = ±.2   [5.08]   FRACTIONS
.XX = ±.02   [.51]   ± 1/32
.XXX = ±.005 [.13]   ANGLES ± 1°

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION

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DESIGN IN THIS DOCUMENT
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SHEET	OF
1	1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE: N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	K.Dang	FMCA1352Z	B

T-Rev.D