

Water Blue FAKRA Plug to FAKRA Jack Right Angle Cable Using RG174 Coax

The FAKRA plug to RA FAKRA jack cable using RG174 coax, part number FMCA1353Z, 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 FMCA1353Z FAKRA plug to FAKRA jack cable assembly operates to 1 GHz. The right angle FAKRA interface on the RG174 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 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 Right Angle
- 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.)	0.41	0.62	0.885	1.258	1.8	dB/ft
	1.35	2.03	2.9	4.13	5.91	dB/m

Mechanical Specifications

Cable Assembly

Diameter	0.37 in [9.4 mm]
Weight	0.024 lbs [10.89 g]

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]

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Connectors

Description	Connector 1	Connector 2
Type	FAKRA Plug	FAKRA Jack
Configuration	Straight	Right Angle
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:

FMCA1353Z - xx uu

cm = Centimeters
 <blank> = Inches

Length

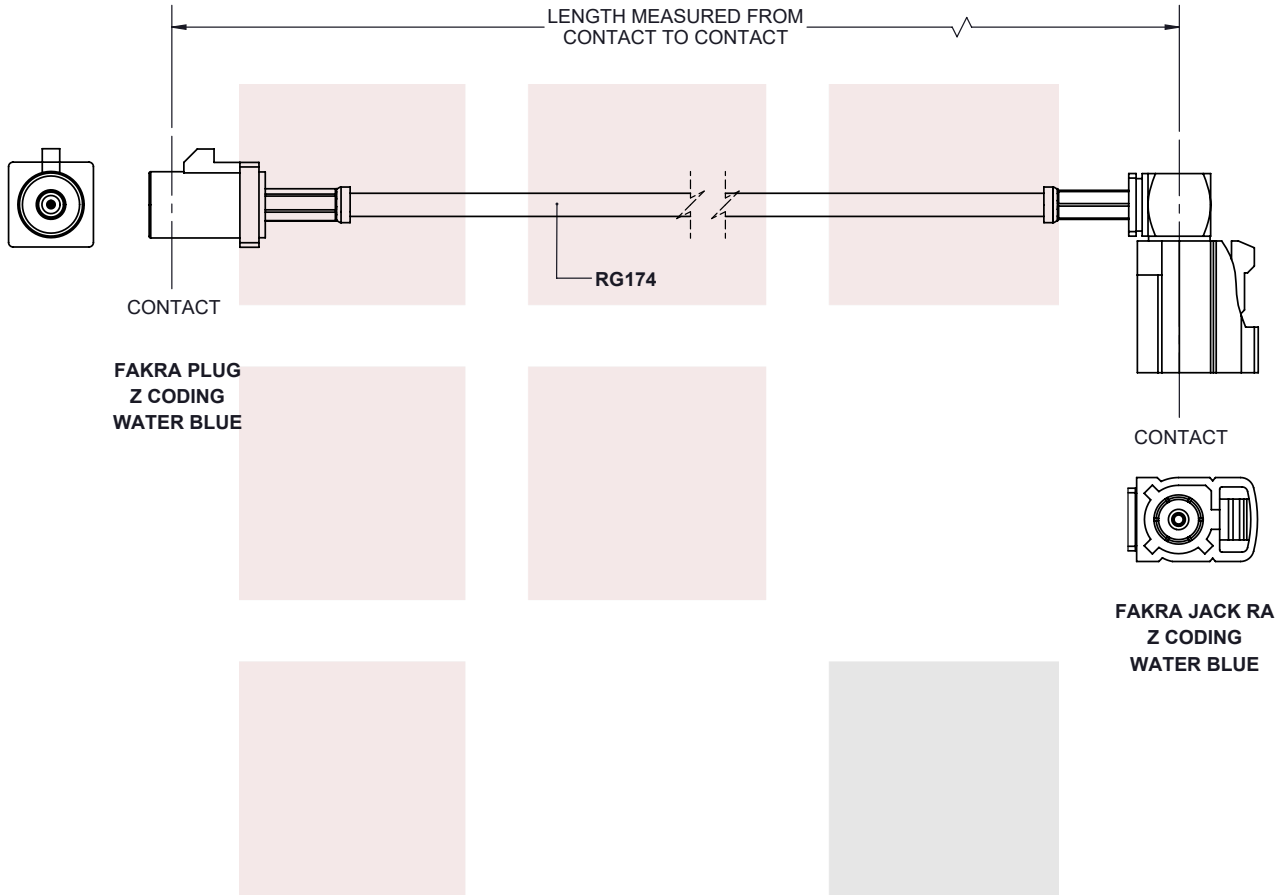
Example: FMCA1353Z-12 = 12 inches long cable
 FMCA1353Z-100cm = 100 cm long cable

Water Blue FAKRA Plug to FAKRA Jack Right Angle Cable Using RG174 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 Right Angle Cable Using RG174 Coax FMCA1353Z](#)

URL: <https://www.fairviewmicrowave.com/fakra-plug-ra-fakra-jack-cable-rg174-coax-fmca1353z-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 Right Angle Cable Using RG174 Coax	DWG NO FMCA1353Z		CAGE CODE 3FKR5			
	CAD FILE 09/21/19	SHEET 1 OF 1	SCALE N/A	SIZE A	7361	