

Violet FAKRA Plug to FAKRA Jack Cable Using RG174 Coax

The FAKRA plug to FAKRA jack cable using RG174 coax, part number FMCA1352H, 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 FMCA1352H 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.

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]



Configuration:

- FAKRA Plug
- FAKRA Jack
- RG174

Features:

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC 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	Plastic

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:

FMCA1352H - xx uu

cm = Centimeters
 <blank> = Inches

Length

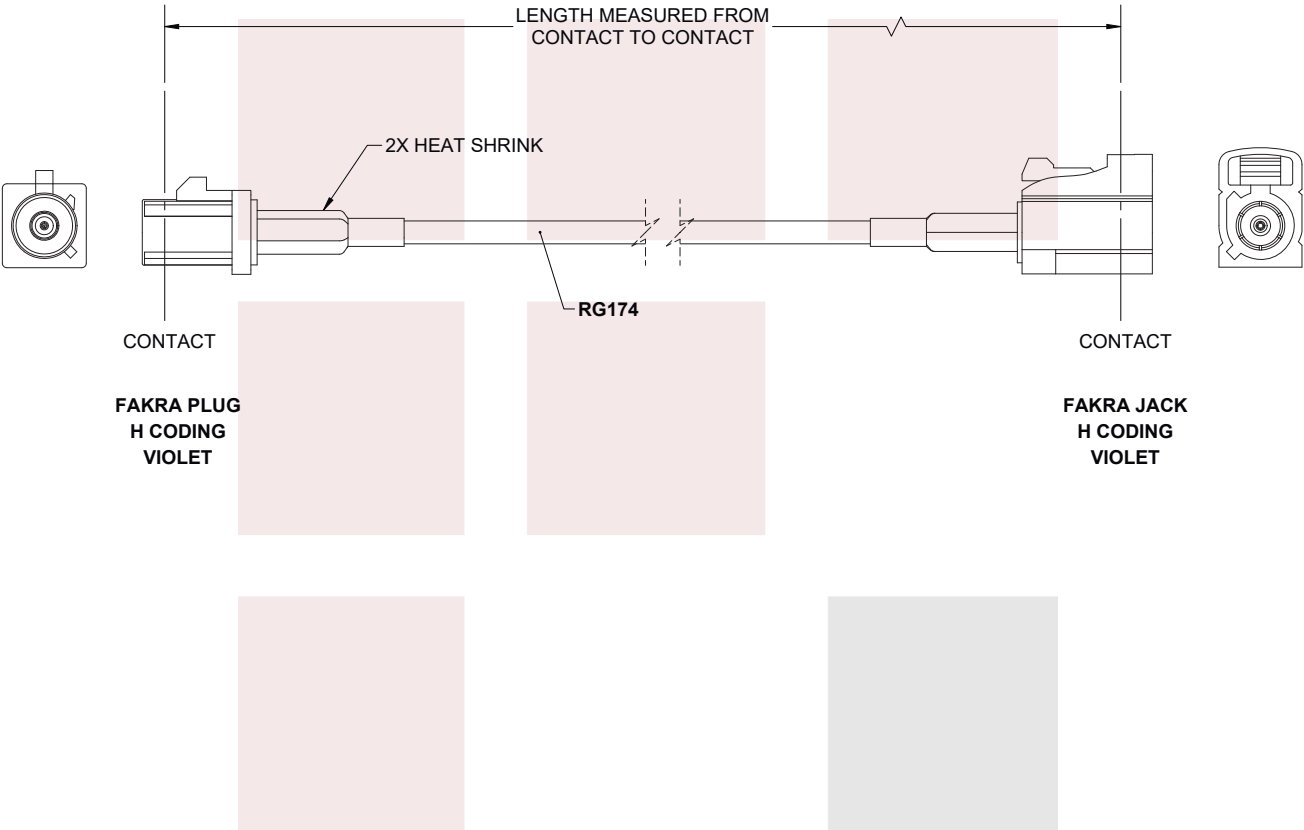
Example: FMCA1352H-12 = 12 inches long cable
 FMCA1352H-100cm = 100 cm long cable

Violet 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: [Violet FAKRA Plug to FAKRA Jack Cable Using RG174 Coax FMCA1352H](#)

URL: <https://www.fairviewmicrowave.com/fakra-plug-fakra-jack-cable-rg174-coax-fmca1352h-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.



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TITLE		TOLERANCES:			CABLE LENGTH (L) TOLERANCES:	
Violet FAKRA Plug to FAKRA Jack Cable Using RG174 Coax		.X = ±.2 [.508] FRACTIONS			L ≤ 12 [305] = +1 [25] / -0	
		.XX = ±.02 [.51] ± 1/32			12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
		.XXX = ±.005 [.13] ANGLES ± 1°			60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
					120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
					300 [7620] < L = +5%L / -0	
		ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			SCALE	
					N/A	
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV		
A	3FKR5	K.Dang	FMCA1352H	B		

T-Rev.D