

Water Blue FAKRA Jack to BNC Male Cable 48 Inch Length Using RG174 Coax

The FAKRA Code / Water Blue jack to BNC male 48 inch cable using RG174 coax, part number FMCA1345-48, from Fairview Microwave is in-stock and ships same day. This Fairview FAKRA to BNC cable assembly has a jack to male 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 FMCA1345-48 FAKRA jack to BNC male 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	31.1	[102.03]		pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Max.)	1.04	1.08	1.14	1.21	1.32	dB
Insertion Loss (Typ.)	0.242	0.284	0.337	0.412	0.52	dB

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.57 in [14.48 mm]

Cable

Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PE (LD)
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]



Configuration:

- FAKRA Jack
- BNC Male
- 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 Jack	BNC Male
Configuration	Straight	Straight
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Phosphor Bronze, Gold	Brass, Gold
Contact Plating Spec.		50μ in. minimum
Dielectric Type	PTFE	Teflon
Outer Cond Material & Plating	Brass, Nickel	
Body Material & Plating	Plastic	Brass, Nickel
Body Plating Spec.		100μ in. minimum
Coupling Nut Material & Plating		Brass, Nickel
Coupling Nut Plating Spec.		100μ in. minimum

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:

FMCA1345 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

Example: FMCA1345-12 = 12 inches long cable
 FMCA1345-100cm = 100 cm long cable

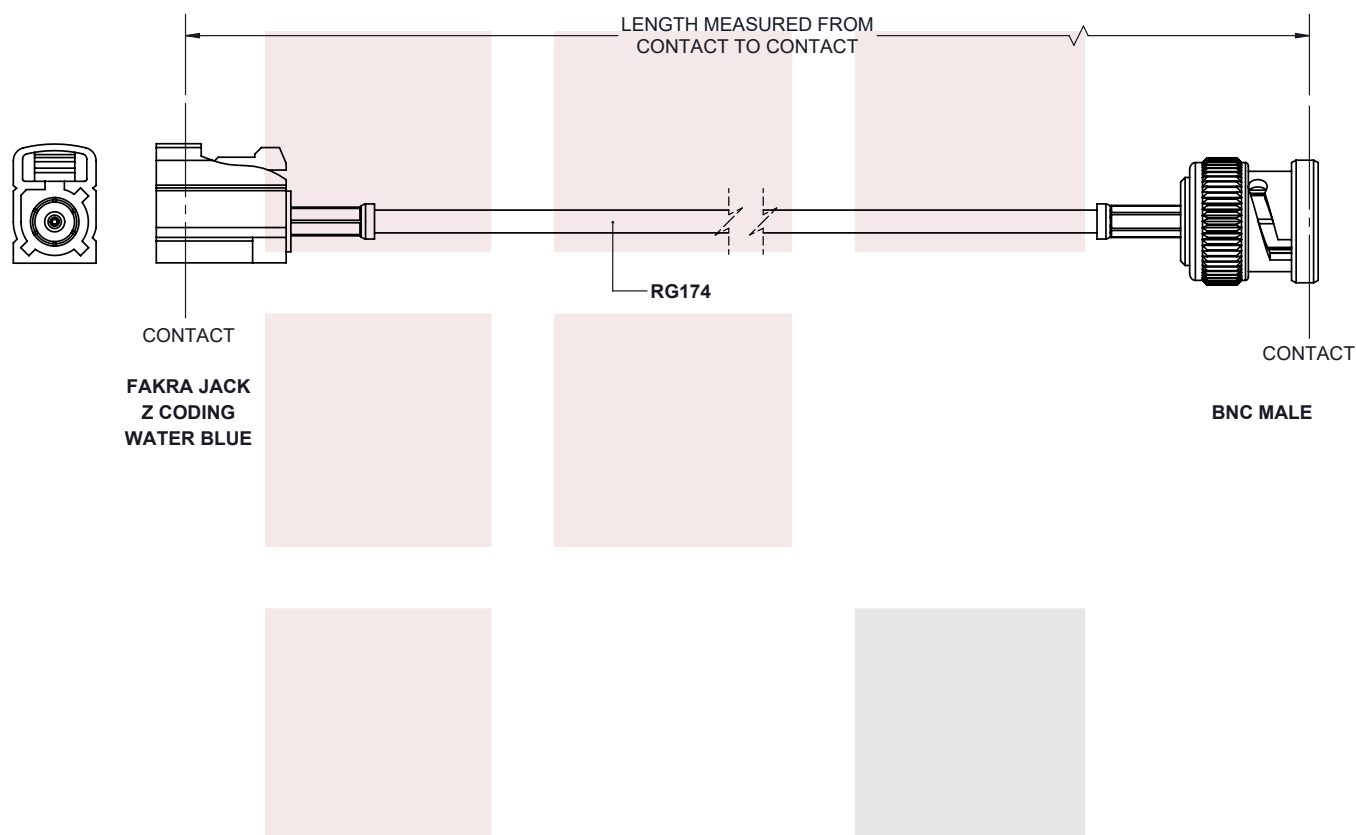
Water Blue FAKRA Jack to BNC Male Cable 48 Inch Length Using RG174 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Water Blue FAKRA Jack to BNC Male Cable 48 Inch Length Using RG174 Coax FMCA1345-48](https://www.fairviewmicrowave.com/fakra-jack-bnc-male-cable-rg174-coax-fmca1345-48-p.aspx)

URL: <https://www.fairviewmicrowave.com/fakra-jack-bnc-male-cable-rg174-coax-fmca1345-48-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

Fairview Microwave an INFINITE brand		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 Jack to BNC Male Cable 48 Inch Length Using RG174 Coax		DWG NO		CAGE CODE		
		FMCA1345		3FKR5		
CAD FILE	09/21/19	SHEET	1 OF 1	SCALE	N/A	SIZE A
						7361