

## Water Blue FAKRA Jack to BNC Female Cable 48 Inch Length Using RG316 Coax

The FAKRA Code / Water Blue jack to BNC female 48 inch cable using RG-316 coax, part number FMCA1342-48, from Fairview Microwave is in-stock and ships same day. This Fairview FAKRA to BNC cable assembly has a jack to female 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 FMCA1342-48 FAKRA jack to BNC female 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 |              |
| Capacitance     |     | 32 [104.99] |       | 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.) | 0.275 | 0.31 | 0.36 | 0.438 | 0.58  | dB    |

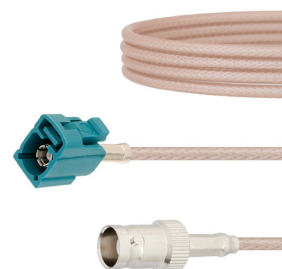
### Mechanical Specifications

#### Cable Assembly

|          |                     |
|----------|---------------------|
| Length*  | 48 in [121.92 cm]   |
| Diameter | 0.453 in [11.51 mm] |
| Weight   | 0.021 lbs [9.53 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 Jack
- BNC Female
- RG316

### Features:

- Max Frequency 1 GHz
- FEP Jacket

### Applications:

- General Purpose
- Laboratory Use

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## Connectors

| Description                   | Connector 1           | Connector 2      |
|-------------------------------|-----------------------|------------------|
| Type                          | FAKRA Jack            | BNC Female       |
| Configuration                 | Straight              | Straight         |
| Specification                 |                       | MIL-STD-348A     |
| Impedance                     | 50 Ohms               | 50 Ohms          |
| Contact Material & Plating    | Phosphor Bronze, Gold | Brass, Gold      |
| Contact Plating Spec.         |                       | 30μ in. minimum  |
| Dielectric Type               | Teflon                | Teflon           |
| Outer Cond Material & Plating | Brass, Nickel         |                  |
| Body Material & Plating       | Plastic, Paint        | Brass, Nickel    |
| Body 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:

**FMCA1342 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

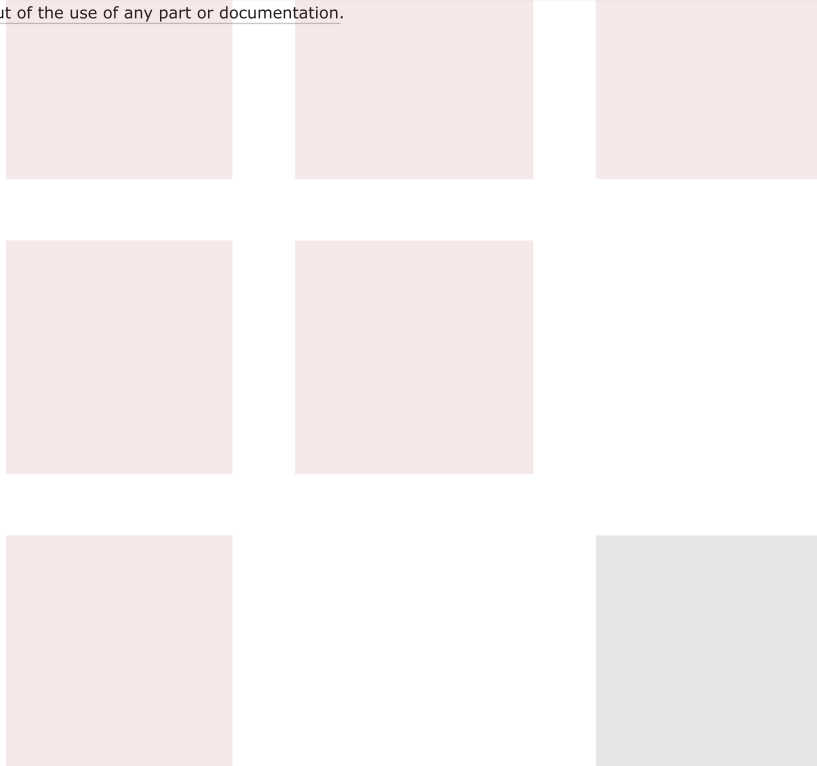
Example: FMCA1342-12 = 12 inches long cable  
 FMCA1342-100cm = 100 cm long cable

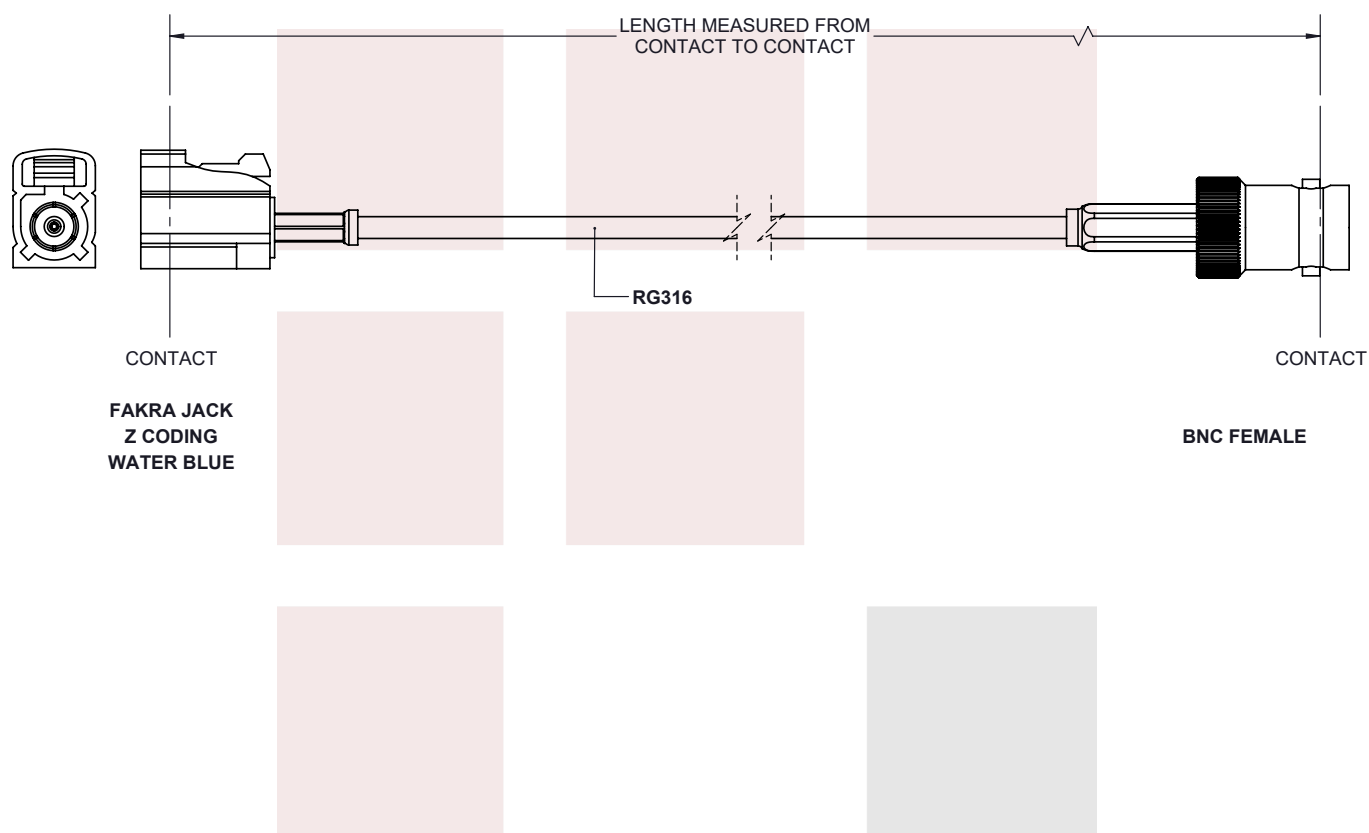
Water Blue FAKRA Jack to BNC Female Cable 48 Inch Length Using RG316 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Water Blue FAKRA Jack to BNC Female Cable 48 Inch Length Using RG316 Coax FMCA1342-48](#)

URL: <https://www.fairviewmicrowave.com/fakra-jack-bnc-female-cable-rg316-coax-fmca1342-48-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

|                                                                                           |  |                                                                                                                                                                                     |              |                        |      |
|-------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|------|
| <b>Fairview Microwave</b><br>an INFINITE® brand                                           |  | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |              |                        |      |
| TITLE<br><br>Water Blue FAKRA Jack to BNC Female Cable 48 Inch<br>Length Using RG316 Coax |  | DWG NO<br><br>FMCA1342                                                                                                                                                              |              | CAGE CODE<br><br>3FKR5 |      |
|                                                                                           |  | CAD FILE    09/21/19    SHEET    1 OF 1                                                                                                                                             | SCALE    N/A | SIZE    A              | 7361 |