

## Blue FAKRA Plug to FAKRA Jack Cable 12 Inch Length Using RG174 Coax

The FAKRA plug to FAKRA jack 12 inch cable using RG174 coax, part number FMCA1348C-12, 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 FMCA1348C-12 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.) | 0.41 | 0.62 | 0.885 | 1.258 | 1.8   | dB    |

### Mechanical Specifications

#### Cable Assembly

|          |                  |
|----------|------------------|
| Length*  | 12 in [304.8 mm] |
| 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                  |
| Number of Shields                    | 1                   |
| Shield Layer 1                       | Tinned Copper Braid |
| Jacket Material                      | PVC, Black          |
| Jacket Diameter                      | 0.11 in [2.79 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               | PTFE                  | PTFE                  |
| Outer Cond Material & Plating | Brass, Nickel         | Brass, Nickel         |
| Body Material & Plating       | Plastic               | Plastic               |

### 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:

**FMCA1348C - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

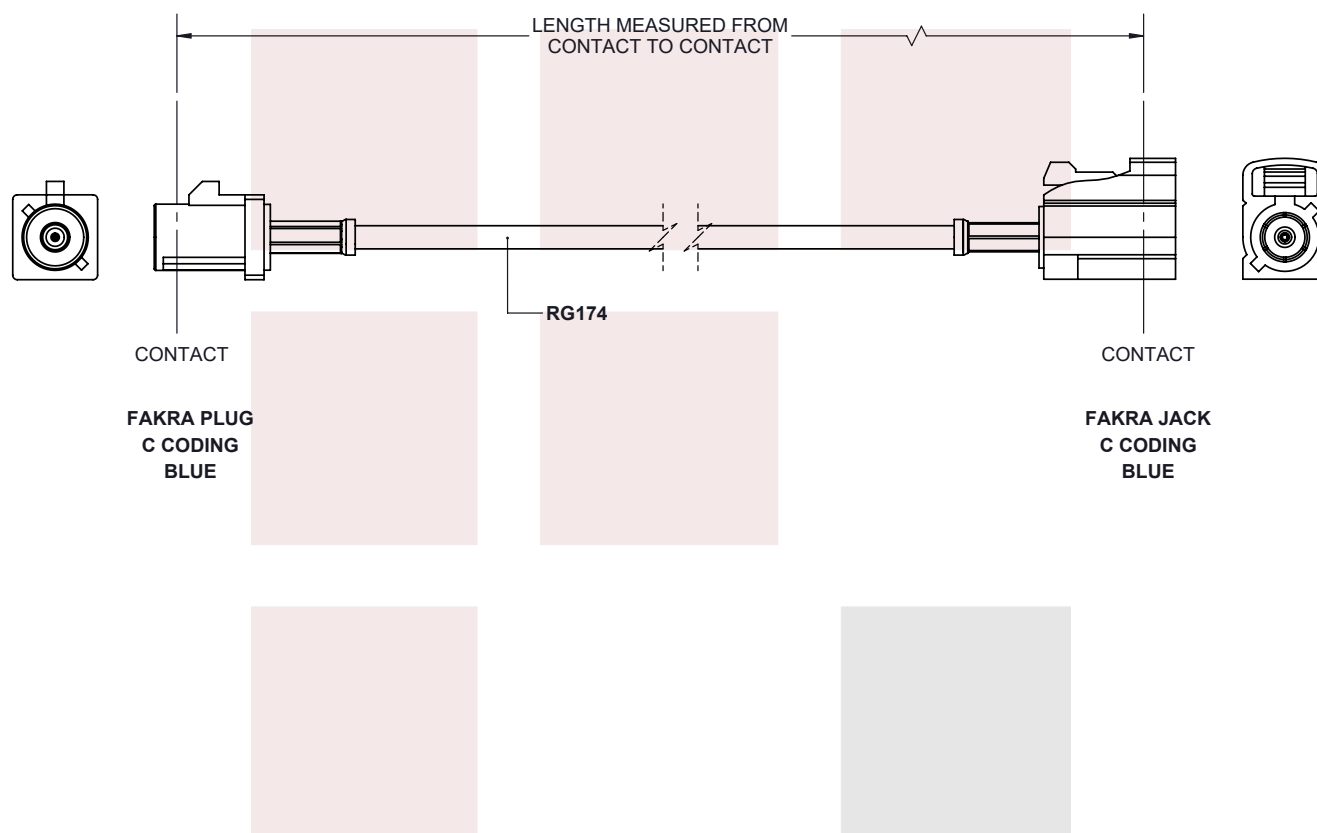
Example: FMCA1348C-12 = 12 inches long cable  
 FMCA1348C-100cm = 100 cm long cable

Blue FAKRA Plug to FAKRA Jack Cable 12 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: [Blue FAKRA Plug to FAKRA Jack Cable 12 Inch Length Using RG174 Coax FMCA1348C-12](#)

URL: <https://www.fairviewmicrowave.com/fakra-plug-fakra-jack-cable-rg174-coax-fmca1348c-12-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>Blue FAKRA Plug to FAKRA Jack Cable 12 Inch Length<br>Using RG174 Coax |  | DWG NO<br>FMCA1348C                                                                                                                                                                 |                 |              | CAGE CODE<br>3FKR5 |      |
|                                                                                 |  | CAD FILE<br>09/21/19                                                                                                                                                                | SHEET<br>1 OF 1 | SCALE<br>N/A | SIZE<br>A          | 7361 |