

RA Water Blue FAKRA Jack Code Z to RA Water Blue FAKRA Jack Code Z Cable RG-316 Coax

The RA FAKRA jack to RA FAKRA jack cable using RG-316 coax, part number FMCA3211, from Fairview Microwave is in-stock and ships same day. This Fairview FAKRA to FAKRA cable assembly has a jack to jack gender configuration with 50 ohm flexible RG-316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3211 FAKRA jack to FAKRA jack cable assembly operates to 3 GHz. The right angle FAKRA interfaces on the RG-316 cable allow 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 Jack Right Angle
- FAKRA Jack Right Angle
- RG-316

Features:

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

Electrical Specifications

| Description | Min | Typ | Max | Units |
|--------------------------------------|-----|-----|-------|-------|
| Frequency Range | DC | | 3 | GHz |
| VSWR | | | 1.4:1 | |
| Velocity of Propagation | | 69 | | % |
| Operating Voltage (AC) | | | 335 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Jacket Spark | | | 2,000 | Vrms |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|-------|-------|-------|------|-------|
| Frequency | 0.1 | 0.25 | 0.5 | 1 | 3 | GHz |
| Insertion Loss (Typ.) | 0.11 | 0.159 | 0.238 | 0.379 | 0.58 | dB/ft |
| | 0.36 | 0.52 | 0.78 | 1.24 | 1.9 | dB/m |

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.04 lbs [18.14 g]

Cable

Cable Type RG-316
 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 0.102 in [2.59 mm]

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Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|-----------------------|-----------------------|
| Type | FAKRA Jack | FAKRA Jack |
| Configuration | Right Angle | Right Angle |
| 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 |

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3211 - xx uu

cm = Centimeters
<blank> = Inches
Length

Example: FMCA3211-12 = 12 inches long cable
FMCA3211-100cm = 100 cm long cable

RA Water Blue FAKRA Jack Code Z to RA Water Blue FAKRA Jack Code Z Cable RG-316 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: [RA Water Blue FAKRA Jack Code Z to RA Water Blue FAKRA Jack Code Z Cable RG-316 Coax FMCA3211](#)

URL: <https://www.fairviewmicrowave.com/ra-fakra-jack-to-ra-fakra-jack-cable-rg-316-coax-fmca3211-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.

