

## MCX Jack to MCX Jack using RG316 Coax Cable in 24 Inches

### FMCA9842-24

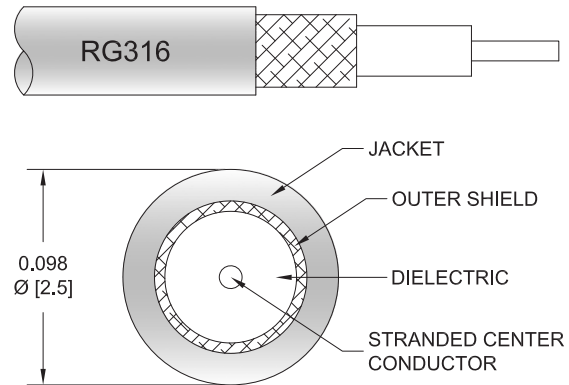


#### Configuration

- Connector 1: MCX Jack
- Connector 2: MCX Jack
- Cable Type: RG316

#### Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- VSWR of 1.4:1



#### Applications

- General Purpose
- Laboratory Use
- Military
- Aerospace
- Wireless Communications
- General Purpose Test

#### Description

The MCX jack to MCX jack 24 inch cable using RG316, part number FMCA9842-24, from Fairview Microwave is in-stock and ships same day. This Fairview MCX to MCX cable assembly has a jack to jack gender configuration with 50 ohm RG316. The FMCA9842-24 MCX jack to MCX jack cable assembly operates to 3 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             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 3       | GHz          |
| VSWR                    |         |              | 1.4:1   |              |
| Velocity of Propagation |         | 69           |         | %            |
| Capacitance             |         | 29.4 [96.46] |         | pF/ft [pF/m] |

#### Specifications by Frequency

| Description           | F1   | F2   | F3   | F4   | F5   | Units |
|-----------------------|------|------|------|------|------|-------|
| Frequency             | 0.1  | 0.25 | 0.5  | 1    | 3    | GHz   |
| Insertion Loss (Typ.) | 0.42 | 0.52 | 0.68 | 0.96 | 1.36 | dB    |

Electrical Specification Notes:

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

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#### Mechanical Specifications

##### Cable Assembly

|                |                     |
|----------------|---------------------|
| Length         | 24 in [609.6 mm]    |
| Width/Diameter | 0.5 in [12.7 mm]    |
| Weight         | 0.29 lbs [131.54 g] |

##### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | RG316                     |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Stranded                  |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |

#### Connectors

| Description                  | Connector 1                        | Connector 2                        |
|------------------------------|------------------------------------|------------------------------------|
| Type                         | MCX Jack                           | MCX Jack                           |
| Impedance                    | 50 Ohms                            | 50 Ohms                            |
| Configuration                | Straight                           | Straight                           |
| Contact Material and Plating | Beryllium Copper, Gold over Copper | Beryllium Copper, Gold over Copper |
| Body Material and Plating    | Bronze, Copper-Tin-Zinc Alloy      | Bronze, Copper-Tin-Zinc Alloy      |

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:  
Values at 25°C, sea level.

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### FMCA9842-24

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**FMCA9842**

**- xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: FMCA9842-12 = 12 inches long cable  
FMCA9842-100cm = 100 cm long cable

MCX Jack to MCX Jack using RG316 Coax Cable in 24 Inches from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [MCX Jack to MCX Jack using RG316 Coax Cable in 24 Inches FMCA9842-24](https://www.fairviewmicrowave.com/non-magnetic-mcx-jack-to-mcx-jack-cable-rg316-coax-in-24-inch-fmca9842-24-p.aspx)

URL: <https://www.fairviewmicrowave.com/non-magnetic-mcx-jack-to-mcx-jack-cable-rg316-coax-in-24-inch-fmca9842-24-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

FMCA9842-24 CAD Drawing

MCX Jack to MCX Jack using RG316 Coax Cable in 24 Inches

