

## Flexible MCX Plug to MCX Plug Cable RG174 Coax in 200 CM

The MCX plug to MCX plug 200 cm cable using RG174 coax, part number FMC00625-200CM, from Fairview Microwave is in-stock and ships same day. This Fairview MCX to MCX cable assembly has a plug to plug 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 FMC00625-200CM MCX plug to MCX plug 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             | 31.08 | [101.97] |       | pF/ft [pF/m] |
| Operating Voltage (AC)  |       |          | 250   | Vrms         |
| Input Power (Average)   |       |          | 17    | Watts        |

### Performance by Frequency

| Description           | F1   | F2   | F3  | F4   | F5    | Units |
|-----------------------|------|------|-----|------|-------|-------|
| Frequency             | 50   | 100  | 250 | 500  | 1,000 | MHz   |
| Insertion Loss (Typ.) | 0.51 | 0.76 | 1.1 | 1.59 | 2.3   | dB    |

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1dB per connector loss.

### Mechanical Specifications

#### Cable Assembly

|          |                    |
|----------|--------------------|
| Length*  | 78.74 in [200 cm]  |
| Diameter | 0.217 in [5.51 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:

- MCX Plug
- MCX Plug
- 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                       | MCX Plug       | MCX Plug       |
| Specification              | CECC 22220     | CECC 22220     |
| Impedance                  | 50 Ohms        | 50 Ohms        |
| Contact Material & Plating | Brass, Gold    | Brass, Gold    |
| Contact Plating Spec.      | 30 µin minimum | 30 µin minimum |
| Dielectric Type            | PTFE           | PTFE           |
| Body Material & Plating    | Brass, Gold    | Brass, Gold    |
| Body Plating Spec.         | 3 µin minimum  | 3 µin minimum  |

## Environmental Specifications

### Temperature

Operating Range -40 to +80 deg C

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration:

**FMC00625 - xx uu**

cm = Centimeters

<blank> = Inches

Length

Example: FMC00625-12 = 12 inches long cable  
 FMC00625-100cm = 100 cm long cable

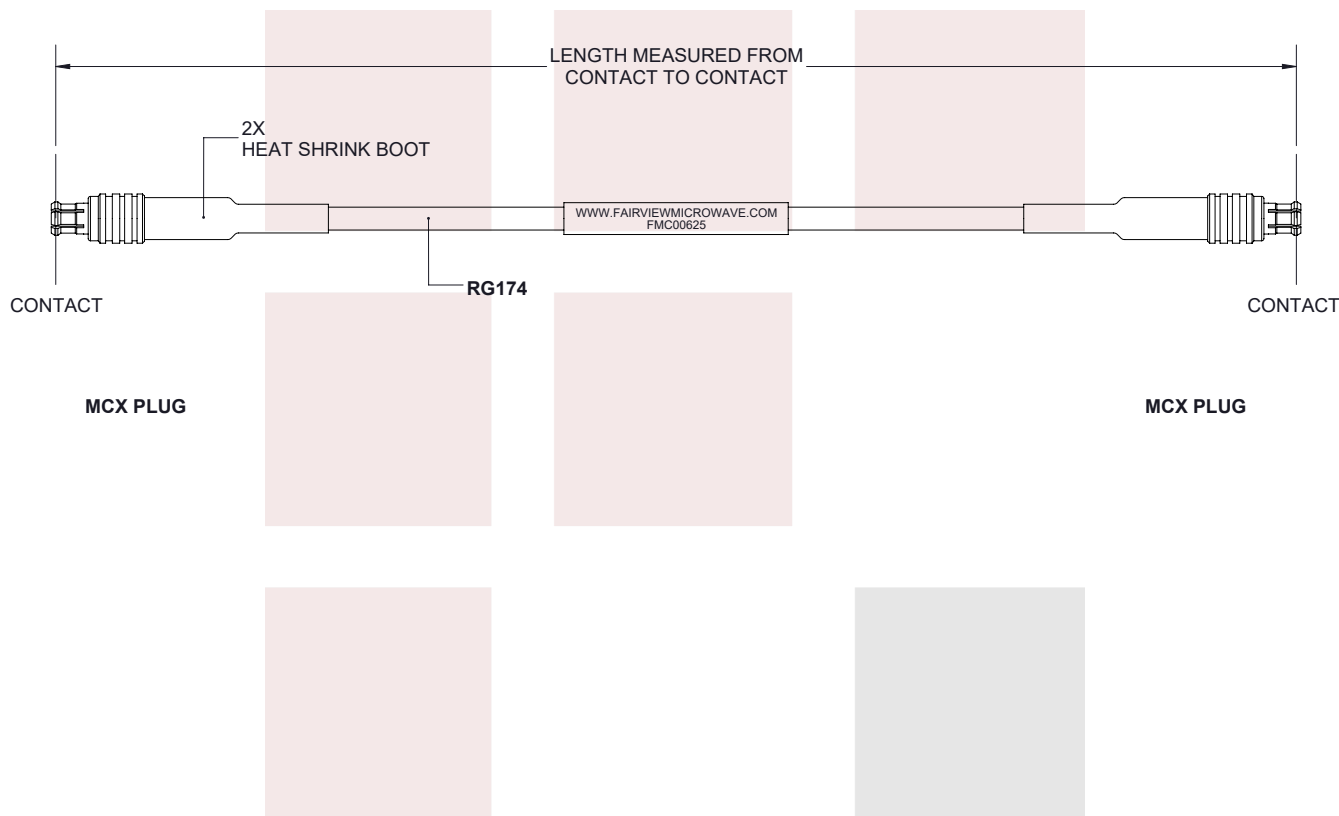
Flexible MCX Plug to MCX Plug Cable RG174 Coax in 200 CM from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Flexible MCX Plug to MCX Plug Cable RG174 Coax in 200 CM FMC00625-200CM](#)

URL: <https://www.fairviewmicrowave.com/mcx-plug-mcx-plug-cable-rg174-coax-fmc00625-200cm-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.

| REVISIONS |                 |           |          |
|-----------|-----------------|-----------|----------|
| REV.      | DESCRIPTION     | DATE      | APPROVED |
| A         | INITIAL RELEASE | 4/19/2021 | S.ELLIS  |



**NOTES:**

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM THE END OF THE CONNECTOR.

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|-----------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>Fairview Microwave</b><br/>an INFINITI® brand</p>         |  | <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES<br/>DIMENSIONS IN [ ] ARE MILLIMETERS</p> |  | <p>THIRD-ANGLE PROJECTION</p>                                                                                              |  |
| <p>TITLE</p>                                                    |  | <p>TOLERANCES:</p>                                                                                    |  | <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> |  |
| <p>Flexible MCX Plug to MCX Plug Cable RG174 Coax in 200 CM</p> |  | <p>CABLE LENGTH (L) TOLERANCES:</p>                                                                   |  | <p>SHEET 1 OF 1</p>                                                                                                        |  |
| <p>SIZE A</p>                                                   |  | <p>CAGE CODE 3FKR5</p>                                                                                |  | <p>SCALE N/A</p>                                                                                                           |  |
| <p>DRAWN BY K.DANG</p>                                          |  | <p>ITEM NO. FMC00625</p>                                                                              |  | <p>REV A</p>                                                                                                               |  |

T-Rev.D