

Low Loss TNC Female Bulkhead to RA MCX Plug Cable RG174 Coax in 200 CM

The TNC female bulkhead to RA MCX plug 200 cm cable using RG174 coax, part number FMC00339-200CM, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to MCX cable assembly has a female 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 FMC00339-200CM TNC female to MCX plug cable assembly operates to 1 GHz. The right angle MCX interface on the RG174 cable allows for easier connections in tight spaces. Our RF cable assembly with TNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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] |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|------|-------|-------|
| Frequency | 50 | 100 | 250 | 500 | 1,000 | MHz |
| Insertion Loss (Typ.) | 0.61 | 0.85 | 1.19 | 1.72 | 2.39 | dB |

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length* 78.74 in [200 cm]

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 |



Configuration:

- TNC Female Bulkhead
- MCX Plug Right Angle
- RG174

Features:

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket

Applications:

- General Purpose
- Laboratory Use

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| | |
|-----------------|---------------------|
| Shield Layer 1 | Tinned Copper Braid |
| Jacket Material | PVC, Black |
| Jacket Diameter | 0.11 in [2.79 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|-----------------------|---------------------|
| Type | TNC Female | MCX Plug |
| Mount Method | Bulkhead | |
| Specification | MIL-STD-348 | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Phosphor Bronze, Gold | Brass, Gold |
| Contact Plating Spec. | | 30 μ in minimum |
| Dielectric Type | PTFE | PTFE |
| Outer Cond Material & Plating | Brass, Nickel | |
| Body Material & Plating | Brass, Nickel | Brass, Gold |
| Body Plating Spec. | | 3 μ in minimum |
| Hex Size | 5/8 in | |

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:

FMC00339 - xx uu

- cm = Centimeters
- <blank> = Inches
- Length

Example: FMC00339-12 = 12 inches long cable
FMC00339-100cm = 100 cm long cable

Low Loss TNC Female Bulkhead to RA MCX Plug Cable RG174 Coax in 200 CM 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.

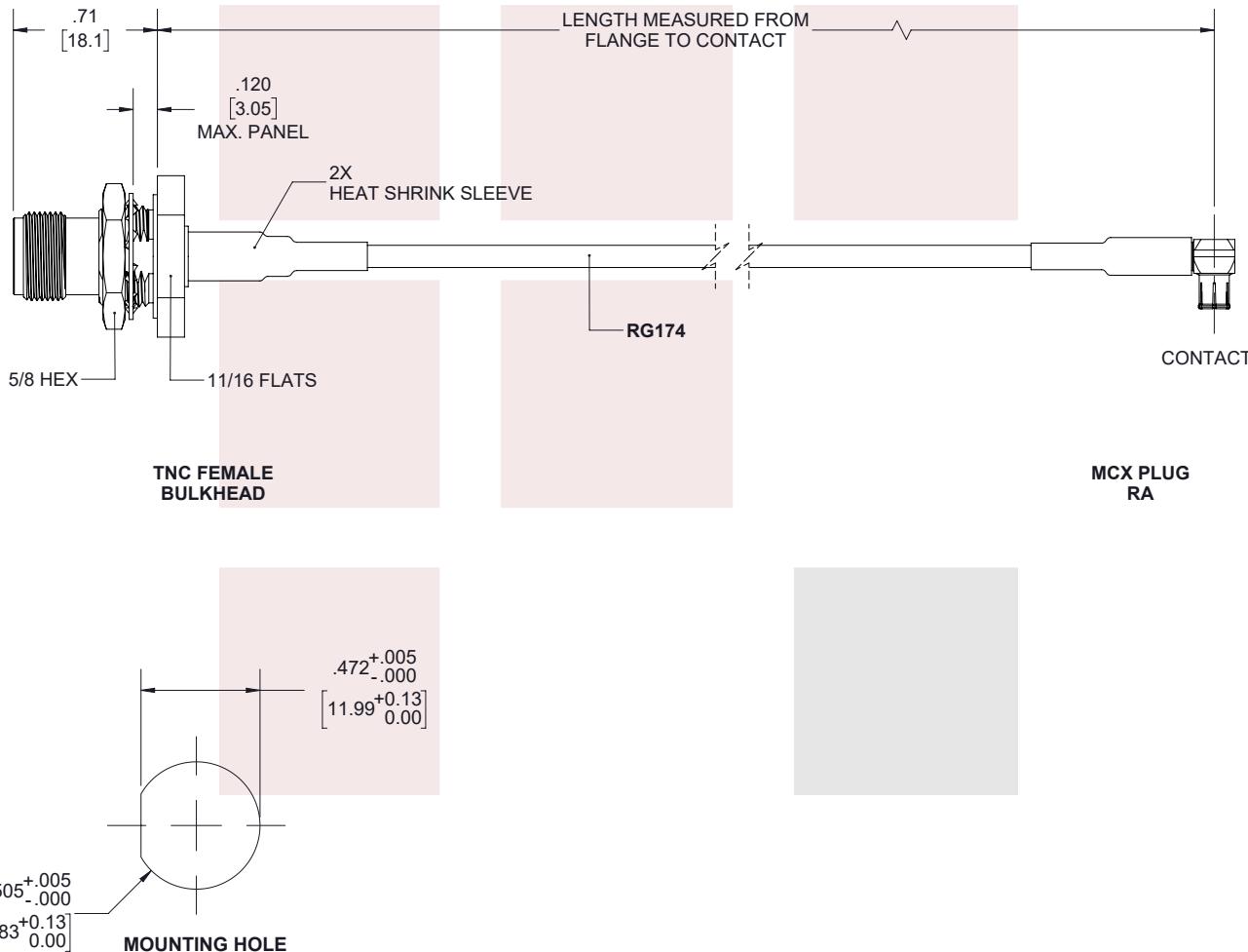
Click the following link to obtain additional part information: [Low Loss TNC Female Bulkhead to RA MCX Plug Cable RG174 Coax in 200 CM FMC00339-200CM](#)

URL: <https://www.fairviewmicrowave.com/low-loss-tnc-female-ra-mcx-plug-cable-rg174-coax-fmc00339-200cm-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 | 2/24/2020 | S.ELLIS |



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| | TOLERANCES: | CABLE LENGTH (L) TOLERANCES: | |
| TITLE Low Loss TNC Female Bulkhead to RA MCX Plug Cable RG174 Coax in 200 CM | .X = ± 2 [5.08] FRACTIONS .XX = ± 02 [.51] ± 1/32 .XXX = ± .005 [.13] ANGLES ± 1° | L ≤ 12 [305] = +1 [25] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0 | SCALE N/A |
| | ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | | REV A |
| SIZE A | CAGE CODE 3FKR5 | DRAWN BY K.DANG | ITEM NO. FMC00339 |

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