

BNC Male to BNC Female Bulkhead Cable RG-223 Coax with Heat Shrink in 36 inch length

The BNC male to BNC female bulkhead 36 inch cable using RG223 coax, part number FMC00187-36, from Fairview Microwave is in-stock and ships same day. This Fairview BNC to BNC cable assembly has a male to female gender configuration with 50 ohm flexible RG223 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00187-36 BNC male to BNC female cable assembly operates to 4 GHz. Our RF cable assembly with BNC 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. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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 | | 4 | GHz |
| 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 | 0.1 | 0.25 | 0.5 | 1 | 4 | GHz |
| Insertion Loss (Typ.) | 0.19 | 0.28 | 0.42 | 0.61 | 1.28 | 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 0.1*SQRT(FGHz) dB per connector.

Mechanical Specifications

Cable Assembly

| | |
|---------|---------------------|
| Length* | 36 in [914.4 mm] |
| Weight | 0.103 lbs [46.72 g] |

Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | RG223 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PE |
| Number of Shields | 2 |
| Shield Layer 1 | Silver Plated Copper Braid |
| Shield Layer 2 | Silver Plated Copper Braid |



Configuration:

- BNC Male
- BNC Female Bulkhead
- RG223

Features:

- Max Frequency 4 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

Applications:

- General Purpose
- Laboratory Use

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Jacket Material PVC, Black
 Jacket Diameter 0.209 in [5.31 mm]
 Repeated Minimum Bend Radius 1 in [25.4 mm]

Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|------------------|------------------|
| Type | BNC Male | BNC Female |
| Mount Method | | Bulkhead |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Brass, Gold | Brass, Gold |
| Contact Plating Spec. | 30μ in. minimum | 30μ in. minimum |
| Dielectric Type | PTFE | PTFE |
| Outer Cond Material & Plating | Brass, Nickel | Brass, Nickel |
| Body Material & Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Spec. | 100μ in. minimum | 100μ in. 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:

FMC00187 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

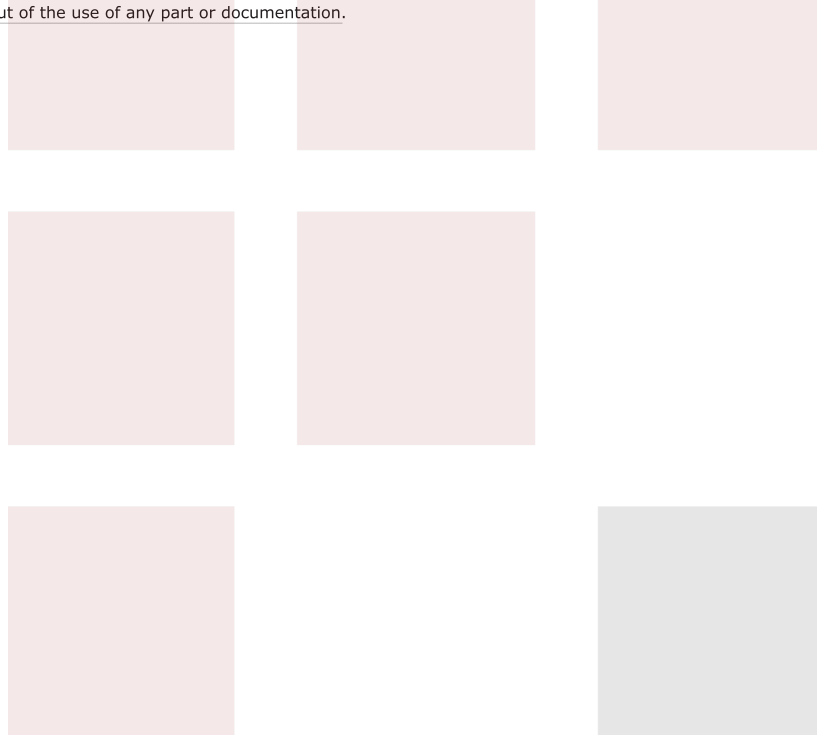
Example: FMC00187-12 = 12 inches long cable
 FMC00187-100cm = 100 cm long cable

BNC Male to BNC Female Bulkhead Cable RG-223 Coax with Heat Shrink in 36 inch length 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.

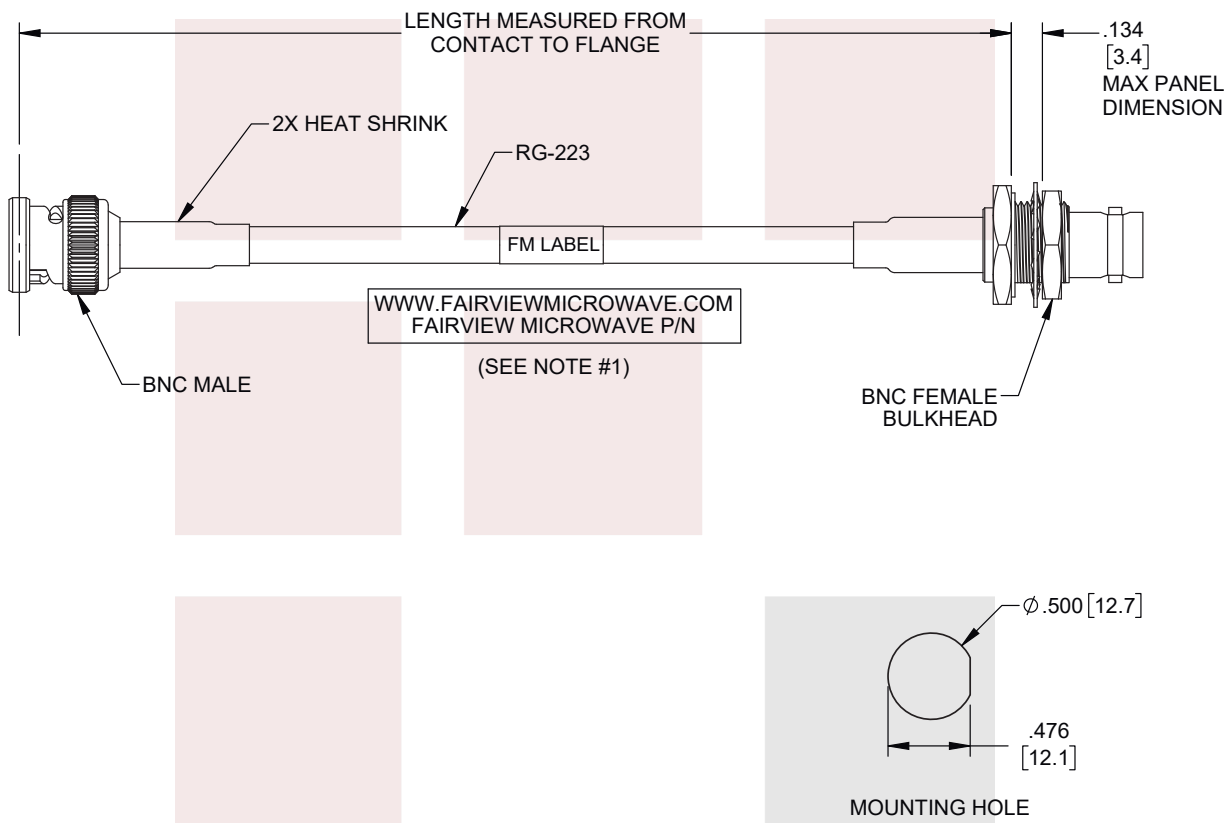
Click the following link to obtain additional part information: [BNC Male to BNC Female Bulkhead Cable RG-223 Coax with Heat Shrink in 36 inch length FMC00187-36](https://www.fairviewmicrowave.com/bnc-male-to-bnc-female-bulkhead-cable-rg223-coax-in-36-inch-fmc00187-36-p.aspx)

URL: <https://www.fairviewmicrowave.com/bnc-male-to-bnc-female-bulkhead-cable-rg223-coax-in-36-inch-fmc00187-36-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 | 11/11/2021 | SRAUTUS |



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.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

TITLE

BNC Male to BNC Female Bulkhead Cable RG-223
Coax with Heat Shrink in 36 inch length

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

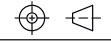
TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ± 1/32
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



THE INFORMATION AND
DESIGN IN THIS DOCUMENT
IS THE PROPERTY OF
FAIRVIEW MICROWAVE CORPORATION.
ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
|------|-----------|----------|----------|-----|
| A | 3FKR5 | DMAY | FMC00187 | A |

T-Rev.D

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Fairview Microwave:](#)

[FMC00187-36](#)