

RA SMA Male to N Female Bulkhead Cable RG316 Coax in 24 Inch

The RA SMA male to type N female bulkhead 24 inch cable using RG-316 coax, part number FMC0411315-24, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to type N cable assembly has a male to female gender configuration with 50 ohm flexible RG316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0411315-24 SMA male to type N female cable assembly operates to 3 GHz. The right angle SMA interface on the RG316 cable allows for easier connections in tight spaces. Our RF cable assembly with type N 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 | | 3 | GHz |
| Velocity of Propagation | | 70 | | % |
| Capacitance | | 32 [104.99] | | pF/ft [pF/m] |

Mechanical Specifications

Cable Assembly

| | |
|---------|-------------------|
| Length* | 24 in [609.6 mm] |
| Weight | 0.11 lbs [49.9 g] |

Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | RG316 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Shield Layer 1 | Silver Plated Copper Tape |
| Shield Layer 2 | Silver Plated Copper Braid |
| Jacket Material | FEP, Black |
| Jacket Diameter | 0.098 in [2.49 mm] |



Configuration:

- SMA Male Right Angle
- N Female Bulkhead
- RG316

Features:

- Max Frequency 3 GHz
- 70% Phase Velocity
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

| Description | Connector 1 | Connector 2 |
|----------------------------|------------------|------------------------|
| Type | SMA Male | N Female |
| Mount Method | | Bulkhead |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Brass, Gold | Beryllium Copper, Gold |
| Contact Plating Spec. | 50μ in. minimum | 30μ in. minimum |
| Dielectric Type | Teflon | Teflon |
| Body Material & Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Spec. | 100μ in. minimum | 100μ in. minimum |
| Hex Size | 5/16 inch | 3/4 inch |

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC0411315 - xx uu

cm = Centimeters
 <blank> = Inches

Length

Example: FMC0411315-12 = 12 inches long cable
 FMC0411315-100cm = 100 cm long cable

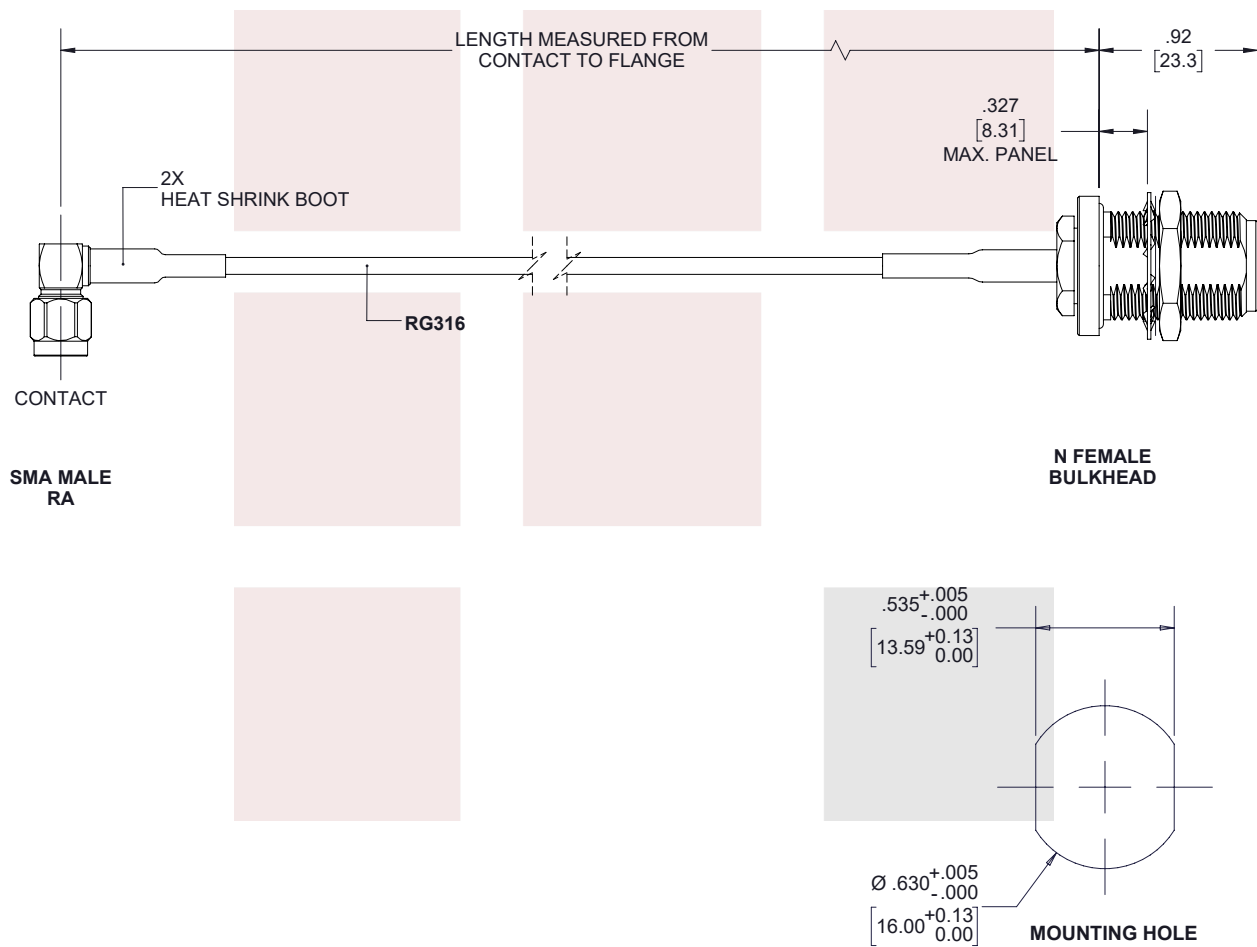
RA SMA Male to N Female Bulkhead Cable RG316 Coax in 24 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RA SMA Male to N Female Bulkhead Cable RG316 Coax in 24 Inch FMC0411315-24](#)

URL: <https://www.fairviewmicrowave.com/ra-sma-male-n-female-cable-rg316-coax-fmc0411315-24-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 | 5/24/2021 | S.ELLIS |



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TITLE

RA SMA Male to N Female Bulkhead Cable RG316
Coax in 24 Inch

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

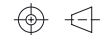
TOLERANCES:

.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



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
|------|-----------|----------|------------|-----|
| A | 3FKR5 | K.DANG | FMC0411315 | A |

T-Rev.D