

N Male to N Female Bulkhead Cable Tinned Copper RG402 Type .141 Coax in 36 Inch

The type N male to type N female bulkhead 36 inch cable using Tinned Copper RG402 type .141 coax, part number FMCA2899-36, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to female gender configuration with 50 ohm semi-rigid FM-SR141CUTN-STR coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA2899-36 type N male to type N female cable assembly operates to 11 GHz. 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 | | 11 | GHz |
| VSWR | | | 1.5:1 | |
| Velocity of Propagation | | 69.5 | | % |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|----|------|----|-------|
| Frequency | 1 | 2.5 | 5 | 11 | | GHz |
| Insertion Loss (Typ.) | 0.56 | 0.73 | 1 | 1.58 | | 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 dB per connector.

Mechanical Specifications

Cable Assembly

Length* 36 in [914.4 mm]
Weight 0.253 lbs [114.76 g]

Cable

Cable Type FM-SR141CUTN-STR
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Outer Conductor Material and Plating Tinned Copper

One Time Minimum Bend Radius 1 in [25.4 mm]



Configuration:

- N Male
- N Female Bulkhead
- FM-SR141CUTN-STR

Features:

- Max Frequency 11 GHz
- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

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Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------|-----------------|----------------------------|
| Type | N Male | N Female |
| Mount Method | | Bulkhead |
| Specification | MIL-STD-348A | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Brass, Gold | Beryllium Copper, Gold |
| Contact Plating Spec. | 30 µin minimum | 30 µin minimum |
| Dielectric Type | PTFE | PTFE |
| Body Material & Plating | Brass, Gold | Passivated Stainless Steel |
| Coupling Nut Material & Plating | Brass, Nickel | |
| Coupling Nut Plating Spec. | 100 µin minimum | |

Environmental Specifications
Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA2899 - xx uu

 cm = Centimeters
 <blank> = Inches

Length

 Example: FMCA2899-12 = 12 inches long cable
 FMCA2899-100cm = 100 cm long cable

N Male to N Female Bulkhead Cable Tinned Copper RG402 Type .141 Coax in 36 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: [N Male to N Female Bulkhead Cable Tinned Copper RG402 Type .141 Coax in 36 Inch FMCA2899-36](#)

URL: <https://www.fairviewmicrowave.com/n-male-to-n-female-bulkhead-cable-tinned-copper-rg402-type-.141-coax-in-36-inch-fmca2899-36-p.aspx>

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