

N Male to RA N Male Cable RG-393 Coax in 50 cm

The type N male to RA type N male 50 cm cable using RG-393 coax, part number FMC00298-50CM, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG393 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00298-50CM type N male to type N male cable assembly operates to 10 GHz. The right angle type N interface on the RG393 cable allows for easier connections in tight spaces. 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 | | 10 | GHz |
| VSWR | | | 1.4:1 | |
| Velocity of Propagation | | 70 | | % |
| Capacitance | | 29.39 [96.42] | | pF/ft [pF/m] |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|------|------|-------|
| Frequency | 0.5 | 1 | 2.5 | 5 | 10 | GHz |
| Insertion Loss (Max.) | 0.36 | 0.42 | 0.46 | 0.64 | 0.87 | dB |

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. Insertion Loss is estimated as 0.1 dB for the N Male connector and 0.2 dB for the N Male Right Angle connector.

Mechanical Specifications

Cable Assembly

Length* 19.68 in [499.87 mm]
Diameter 0.8 in [20.32 mm]

Cable

Cable Type RG393
Impedance 50 Ohms
Inner Conductor Material and Plating Copper, Silver
Dielectric Type PTFE
Number of Shields 2
Shield Layer 1 Silver Plated Copper Braid
Shield Layer 2 Silver Plated Copper Braid
Jacket Material FEP, Tan



Configuration:

- N Male
- N Male Right Angle
- RG393

Features:

- Max Frequency 10 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

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sales@fairviewmicrowave.com

Jacket Diameter 0.39 in [9.91 mm]

Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------|-----------------|------------------|
| Type | N Male | N Male |
| Specification | MIL-STD-348A | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Brass, Gold | Brass, Gold |
| Contact Plating Spec. | 30 μin minimum | 30μ in. minimum |
| Dielectric Type | PTFE | PTFE |
| Outer Cond Material & Plating | | Brass, Nickel |
| Body Material & Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Spec. | 100 μin minimum | 100μ in. minimum |
| Coupling Nut Material & Plating | Brass, Nickel | Brass, Nickel |
| Coupling Nut Plating Spec. | 100 μin minimum | 100μ in. minimum |

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMC00298 - xx uu

cm = Centimeters
<blank> = Inches

Length

Example: FMC00298-12 = 12 inches long cable
FMC00298-100cm = 100 cm long cable

N Male to RA N Male Cable RG-393 Coax in 50 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.

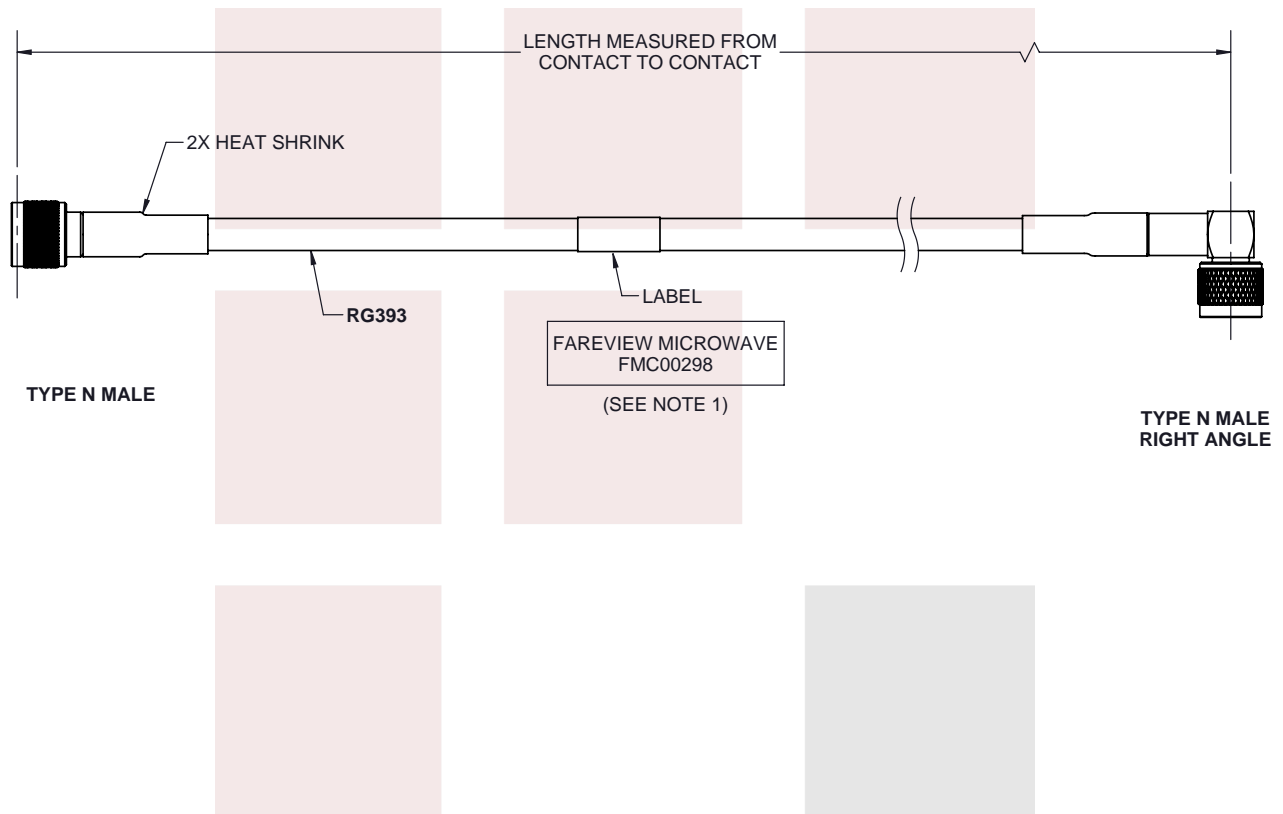
Click the following link to obtain additional part information: [N Male to RA N Male Cable RG-393 Coax in 50 cm FMC00298-50CM](#)

URL: <https://www.fairviewmicrowave.com/n-male-ra-n-male-cable-rg393-coax-fmc00298-50cm-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 |



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>Fairview Microwave an INFINIT[®] brand</p> | <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES: CABLE LENGTH (L) TOLERANCES:</p> <table border="0"> <tr> <td>.X = ±.2 [5.08]</td> <td>FRACTIONS ± 1/32</td> <td>L ≤ 12 [305] = +1 [25] / -0</td> </tr> <tr> <td>.XX = ±.02 [.51]</td> <td>± 1/32</td> <td>12 [305] < L ≤ 60 [1524] = +2 [51] / -0</td> </tr> <tr> <td>.XXX = ±.005 [.13]</td> <td>ANGLES ± 1°</td> <td>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</td> </tr> <tr> <td></td> <td></td> <td>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</td> </tr> <tr> <td></td> <td></td> <td>300 [7620] < L = +5%L / -0</td> </tr> </table> | | .X = ±.2 [5.08] | FRACTIONS ± 1/32 | L ≤ 12 [305] = +1 [25] / -0 | .XX = ±.02 [.51] | ± 1/32 | 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 | .XXX = ±.005 [.13] | ANGLES ± 1° | 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 | | | 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 | | | 300 [7620] < L = +5%L / -0 | <p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> |
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| <p>TITLE</p> <p>N Male to RA N Male Cable RG-393 Coax in 50 cm</p> | <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> | | <p>SHEET 1 OF 1</p> <p>SCALE N/A</p> | | | | | | | | | | | | | | | |
| <p>SIZE A</p> | <p>CAGE CODE 3FKR5</p> | <p>DRAWN BY BPUCHASKI</p> | <p>ITEM NO. FMC00298</p> <p>REV A</p> | | | | | | | | | | | | | | | |

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