

N Male to HN Male Cable RG-393 Coax in 100 cm

The type N male to HN male 100 cm cable using RG-393 coax, part number FMC00425-100CM, from Fairview Microwave is in-stock and ships same day. This Fairview type N to HN 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 FMC00425-100CM type N male to HN male cable assembly operates to 3 GHz. 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 | | 3 | GHz |
| VSWR | | | 1.4:1 | |
| Velocity of Propagation | 70 | | % | |
| Capacitance | 29.4 [96.46] | | pF/ft [pF/m] | |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|------|------|-------|
| Frequency | 0.1 | 0.25 | 0.5 | 1 | 3 | GHz |
| Insertion Loss (Max.) | 0.27 | 0.29 | 0.31 | 0.45 | 0.63 | 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 per connector.

Mechanical Specifications

Cable Assembly

| | |
|----------|-------------------|
| Length* | 39.37 in [100 cm] |
| Diameter | 0.866 in [22 mm] |

Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | RG393 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Stranded |
| 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
- HN Male
- RG393

Features:

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

Applications:

- General Purpose
- Laboratory Use

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Jacket Diameter 0.39 in [9.91 mm]

Connectors

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

Environmental Specifications
Temperature

Operating Range -55 to +165 deg C

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

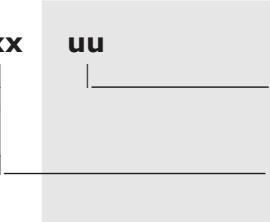
Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMC00425 - xx uu


 cm = Centimeters
 <blank> = Inches
 Length

 Example: FMC00425-12 = 12 inches long cable
 FMC00425-100cm = 100 cm long cable

N Male to HN Male Cable RG-393 Coax in 100 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.

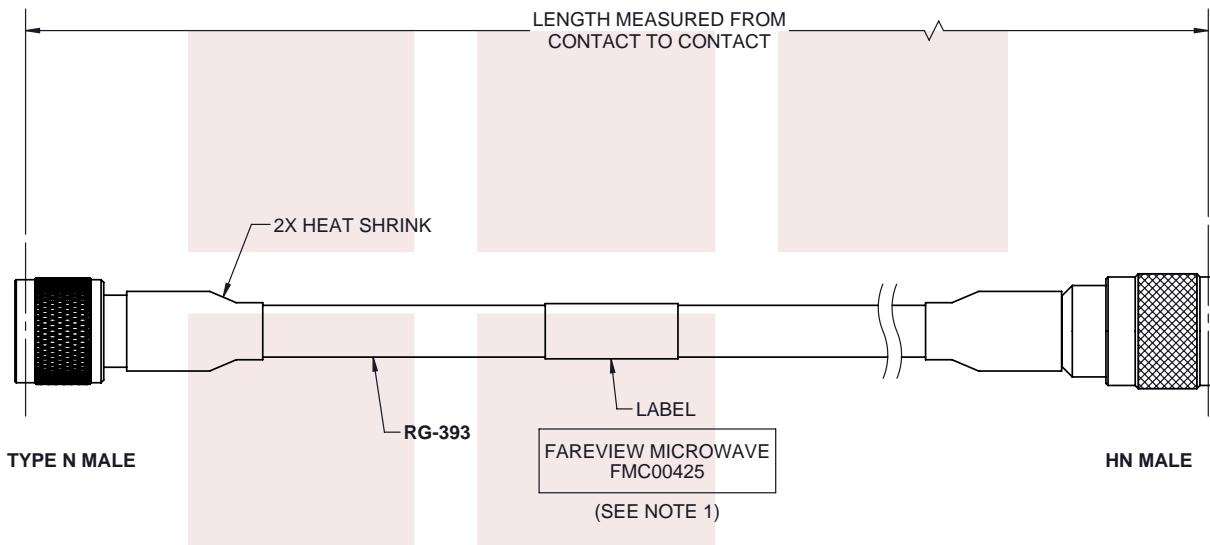
Click the following link to obtain additional part information: [N Male to HN Male Cable RG-393 Coax in 100 cm FMC00425-100CM](#)

URL: <https://www.fairviewmicrowave.com/n-male-hn-male-cable-rg393-coax-fmc00425-100cm-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.



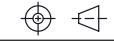
| REVISIONS | | | |
|-----------|-----------------|------------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 09/14/2020 | SELLIS |



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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| | TOLERANCES: | CABLE LENGTH (L) TOLERANCES: | |
| TITLE N Male to HN Male Cable RG-393 Coax in 100 cm | .X = ± 2 [5.08] FRACTIONS .XX = ± .02 [.51] ± 1/32 .XXX = ± .005 [.13] ANGLES ± 1° | | 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 |
| | ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | | SCALE N/A |
| SIZE A | CAGE CODE 3FKR5 | DRAWN BY BPUCHASKI | ITEM NO. FMC00425 |
| | | | REV A |

T-Rev.D