

## Low Loss RA N Male to RA SMA Male Cable TCOM-240 Coax in 60 Inch with Times Microwave Components

The RA type N male to RA SMA male 60 inch cable using TCOM-240 coax, part number FMCA3300-60, from Fairview Microwave is in-stock and ships same day. This Fairview type N to SMA cable assembly has a male to male gender configuration with 50 ohm flexible TCOM-240 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3300-60 type N male to SMA male cable assembly operates to 6 GHz. The right angle type N and right angle SMA interfaces on the TCOM-240 cable allow 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  |     | 6     | GHz   |
| VSWR            |     |     | 1.4:1 |       |

### Performance by Frequency

| Description           | F1   | F2   | F3   | F4   | F5   | Units |
|-----------------------|------|------|------|------|------|-------|
| Frequency             | 0.25 | 0.5  | 1    | 2.5  | 6    | GHz   |
| Insertion Loss (Typ.) | 0.48 | 0.59 | 0.73 | 1.19 | 1.48 | 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 0.25 dB for the SMA male right angle connector and  $0.1 \cdot \sqrt{\text{FGHz}}$  dB for the N male right angle connector.

### Mechanical Specifications

#### Cable Assembly

|         |                      |
|---------|----------------------|
| Length* | 60 in [152.4 cm]     |
| Weight  | 0.271 lbs [122.92 g] |

#### Cable

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | TCOM-240                   |
| Impedance                            | 50 Ohms                    |
| Inner Conductor Type                 | Solid                      |
| Inner Conductor Material and Plating | Copper                     |
| Dielectric Type                      | PE (F)                     |
| Number of Shields                    | 2                          |
| Shield Layer 1                       | Silver Plated Copper Braid |
| Shield Layer 2                       | Tinned Copper Braid        |
| Jacket Material                      | PE, Black                  |
| Jacket Diameter                      | 0.24 in [6.1 mm]           |



### Configuration:

- N Male Right Angle
- SMA Male Right Angle
- TCOM-240

### Features:

- Max Frequency 6 GHz
- Double Shielded
- PE Jacket
- 500 Mating Cycles

### Applications:

- General Purpose
- Laboratory Use

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## Connectors

| Description                     | Connector 1            | Connector 2                 |
|---------------------------------|------------------------|-----------------------------|
| Type                            | N Male Threaded        | SMA Male Threaded           |
| Specification                   |                        | MIL-STD-348                 |
| Impedance                       | 50 Ohms                | 50 Ohms                     |
| Mating Cycles                   | 500                    | 500                         |
| Contact Material & Plating      | Beryllium Bronze, Gold | Brass/Phosphor Bronze, Gold |
| Contact Plating Spec.           | 50 µin minimum         | 50 µinch                    |
| Dielectric Type                 | PTFE                   | Teflon                      |
| Body Material & Plating         | Brass, Tri-Metal       | Brass, Tri-Metal            |
| Body Plating Spec.              | 80 µin minimum         | 80 µinch                    |
| Coupling Nut Material & Plating | Brass, Tri-Metal       | Brass, Tri-Metal            |
| Coupling Nut Plating Spec.      | 80 µin minimum         | 80 µinch                    |

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration:

**FMCA3300 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

Example: FMCA3300-12 = 12 inches long cable  
 FMCA3300-100cm = 100 cm long cable

Low Loss RA N Male to RA SMA Male Cable TCOM-240 Coax in 60 Inch with Times Microwave Components 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: [Low Loss RA N Male to RA SMA Male Cable TCOM-240 Coax in 60 Inch with Times Microwave Components FMCA3300-60](#)

URL: <https://www.fairviewmicrowave.com/low-loss-ra-n-male-to-ra-sma-male-cable-tcom-240-coax-in-60-inch-with-times-microwave-components-fmca3300-60-p.asp>

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