



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

The RA type N male to SMA male cable using TCOM-240 coax, part number FMCA3297, 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 FMCA3297 type N male to SMA male cable assembly operates to 6 GHz. The right angle type N interface on the TCOM-240 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	T	ур	Max	Units
Frequency Range	DC			6	GHz
VSWR				1.4:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
•			1		- 6	
Frequency	0.25	0.5	1	2.5	<u> </u>	GHz
Insertion Loss (Typ.)	0.036	0.052	0.075	0.123	0.197	dB/ft
	0.12	0.17	0.25	0.4	0.65	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.25 dB for the SMA male connector and 0.1*SQRT(FGHz) dB for the N male right angle connector.

Mechanical Specifications

Cable Assembly

Jacket Material

Jacket Diameter

Weight 0.15 lbs [68.04 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1
Shield Layer 2

50 Ohms
Solid
Copper
PE (F)
2
Silver Plated Copper Braid
Tinned Copper Braid
PE, Black

0.24 in [6.1 mm]

TCOM-240



Configuration:

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

Features:

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

Applications:

- General Purpose
- Laboratory Use

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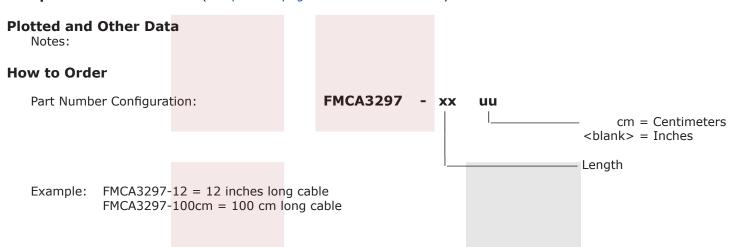




Connectors

Description	Connector 1	Connector 2
Туре	N Male Threaded	d SMA Male Threaded
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	500
Contact Material & Plating	Beryllium Bronze, G	old Beryllium Copper, Gold
Contact Plating Spec.	50 μin minimum	ASTM B488
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plati	ng	Brass, Tri-Metal
Body Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Spec.	80 μin minimum	
Coupling Nut Material & Pla	ting Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Spec.	80 μin minimum	

Compliance Certifications (see product page for current document)



Low Loss RA N Male to SMA Male Cable TCOM-240 Coax 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 SMA Male Cable TCOM-240 Coax with Times Microwave Components FMCA3297

URL: https://www.fairviewmicrowave.com/low-loss-ra-n-male-to-sma-male-cable-tcom-240-coax-with-times-microwave-components-fmca3297-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.

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