

Low Loss RA SSMA Male to N Male Cable RG174 Coax in 48 Inch

The RA SSMA male to type N male 48 inch cable using RG174 coax, part number FMC00268-48, from Fairview Microwave is in-stock and ships same day. This Fairview SSMA to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG174 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00268-48 SSMA male to type N male cable assembly operates to 1 GHz. The right angle SSMA interface on the RG174 cable allows for easier connections in tight spaces.

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		1,000	MHz
Velocity of Propagation		66		%
Capacitance	31.08 [101.97]			pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.48	0.63	0.84	1.14	1.57	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.827 in [21.01 mm]

Cable

Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]



Configuration:

- SSMA Male Right Angle
- N Male
- RG174

Features:

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket

Applications:

- General Purpose
- Laboratory Use

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Connectors

Description	Connector 1	Connector 2
Type	SSMA Male	N Male
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material & Plating	Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Material & Plating	Brass, Nickel	Brass, Nickel
Hex Size	1/4 in	
Torque	3 in-lbs 0.34 Nm	

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC00268 - xx uu

cm = Centimeters
 <blank> = Inches

Length

Example: FMC00268-12 = 12 inches long cable
 FMC00268-100cm = 100 cm long cable

Low Loss RA SSMA Male to N Male Cable RG174 Coax in 48 Inch 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: [Low Loss RA SSMA Male to N Male Cable RG174 Coax in 48 Inch FMC00268-48](#)

URL: <https://www.fairviewmicrowave.com/low-loss-ra-ssma-male-n-male-cable-rg174-coax-fmc00268-48-p.aspx>

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