



Low Loss SMA Male to N Male Cable LMR-400-UF Coax with Times Microwave Components

The SMA male to type N male cable using LMR-400-UF coax, part number FMCA3196, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to type N cable assembly has a male to male gender configuration with 50 ohm flexible LMR-400-UF coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3196 SMA male to type N male cable assembly operates to 5.8 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 90 dB.

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	Т	ур	Max	ι	Jnits
Frequency Range		DC			5.8		GHz
VSWR					1.4:1		
Velocity of Propagation			8	35			%
RF Shielding		90					dB
Group Delay			1.2	[3.94]		ns/f	t [ns/m]
Capacitance			23.9	[78.41]		pF/f	t [pF/m]
Inductance			0.06	[0.2]		uH/f	t [uH/m]
DC Resistance Inner Conductor			1.07 [3.51]		Ω/1000ft [Ω/Km]		
DC Resistance Outer Cor	Conductor		1.65 [5.41]		Ω/1000ft [Ω/Km]		
Jacket Spark					8,000	١	/rms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.023	0.034	0.495	0.081	0.13	dB/ft
	0.08	0.11	1.62	0.27	0.43	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.24 lbs [108.86 g]

Cable

Cable Type LMR-400-UF Impedance 50 Ohms Inner Conductor Type Stranded Inner Conductor Material and Plating Copper



Configuration:

- SMA Male
- N Male
- LMR-400-UF

Features:

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- TPE 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





Dielectric Type PE (F) Number of Shields 2

Shield Layer 1 Aluminum Tape
Shield Layer 2 Tinned Copper Braid
Jacket Material TPE, Black

Jacket Diameter 0.405 in [10.29 mm]

One Time Minimum Bend Radius
Repeated Minimum Bend Radius
4 in [101.6 mm]
Bending Moment
O.38 lbs-ft [0.52 N-m]
Flat Plate Crush
Tensile Strength
160 lbs [72.57 Kg]

0 -			- 4	_	
Co	nı	70	CT	\mathbf{a}	rc

Description	Connector 1	Connector 2		
Туре	SMA Male	N Male		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Brass, Gold	Brass, Gold		
Contact Plating Spec.	50μ" Min	50μ″ Minimum		
Dielectric Type	Teflon	PTFE		
Body Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal		
Coupling Nut Material & Pla	ting Brass, Tri-Metal	Brass, Tri-Metal		

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3196 - xx

uu

cm = Centimeters
<black> = Inches

Length

Example: FMCA3196-12 = 12 inches long cable

FMCA3196-100cm = 100 cm long cable

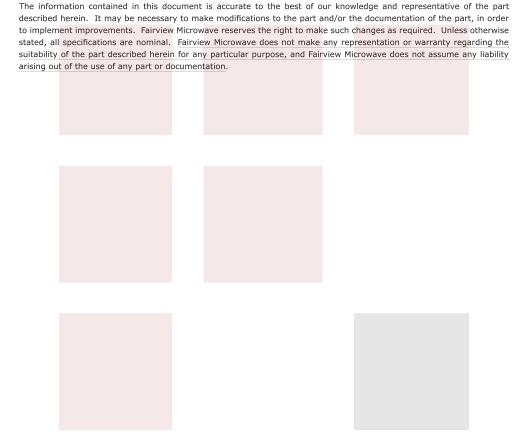




Low Loss SMA Male to N Male Cable LMR-400-UF Coax with Times Microwave Components from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: Low Loss SMA Male to N Male Cable LMR-400-UF Coax with Times Microwave Components FMCA3196

URL: https://www.fairviewmicrowave.com/low-loss-sma-male-to-n-male-cable-lmr-400-uf-coax-with-times-microwave-components-fmca3196-p.aspx



301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689





