

# Low Loss N Male to N Male Cable LMR-195-UF Coax with Heat Shrink

The type N male to type N male cable using LMR-195-UF coax, part number FMCA3220/0000, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to male gender configuration with 50 ohm flexible LMR-195-UF coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3220/0000 type N 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	Inits
Frequency Range		DC			5.8		GHz
VSWR					1.4:1		
Velocity of Propagation			7	74			%
RF Shielding		90					dB
Group Delay			1.27	[4.17]		ns/fl	[ns/m]
Capacitance			25.4 [	83.33]		pF/fl	[pF/m]
Inductance		0.064	[0.21]		uH/fl	[uH/m]	
DC Resistance Inner Conductor		9.5 [31.17]		Ω/1000ft [Ω/Km]			
DC Resistance Outer Cor	nductor		4.9 [	16.08]		Ω/100	0ft [Ω/Km]
Jacket Spark					3,000	V	/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.)	0.067	0.097	0.138	0.226	0.356	dB/ft
	0.22	0.32	0.45	0.74	1.17	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 0.16 lbs [72.57 g]

Cable

Cable Type LMR-195-UF Impedance 50 Ohms Inner Conductor Type Stranded Inner Conductor Material and Plating Copper

# FMCA3220/0000 DATA SHEET



## **Configuration:**

- N Male
- N Male
- LMR-195-UF

### **Features:**

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 74% Phase Velocity
- Double Shielded
- TPE Jacket

## **Applications:**

- General Purpose
- Laboratory Use

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Length

Dielectric Type Foam PE Number of Shields 2

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

Jacket Diameter 0.195 in [4.95 mm]

One Time Minimum Bend Radius

Repeated Minimum Bend Radius

Bending Moment

Flat Plate Crush

Tensile Strength

0.5 in [12.7 mm]

2 in [50.8 mm]

0.1 lbs-ft [0.14 N-m]

10 lbs/in [0.18 Kg/mm]

40 lbs [18.14 Kg]

Connector	S
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Description	Connector 1	Connector 2		
Туре	N Male	N Male		
Specification	MIL-STD-348	MIL-STD-348		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Brass, Gold	Brass, Gold		
Contact Plating Spec.	MIL-G-45204	MIL-G-45204		
Dielectric Type	PTFE	PTFE		
Body Material & Plating	Brass, Nickel	Brass, Nickel		
Body Plating Spec.	QQ-N-290	QQ-N-290		

# **Environmental Specifications**

Part Number Configuration:

Temperature

Operating Range -40 to +85 deg C

**Compliance Certifications** (see product page for current document)

Plotted and Other Data

Notes:

**How to Order** 

cm = Centimeters <blank> = Inches

FMCA3220/0000 - xx

Example: FMCA3220/0000-12 = 12 inches long cable

FMCA3220/0000-100cm = 100 cm long cable

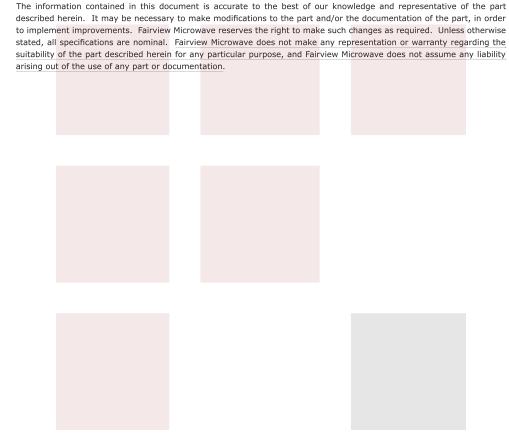




Low Loss N Male to N Male Cable LMR-195-UF Coax with Heat Shrink from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: Low Loss N Male to N Male Cable LMR-195-UF Coax with Heat Shrink FMCA3220/0000

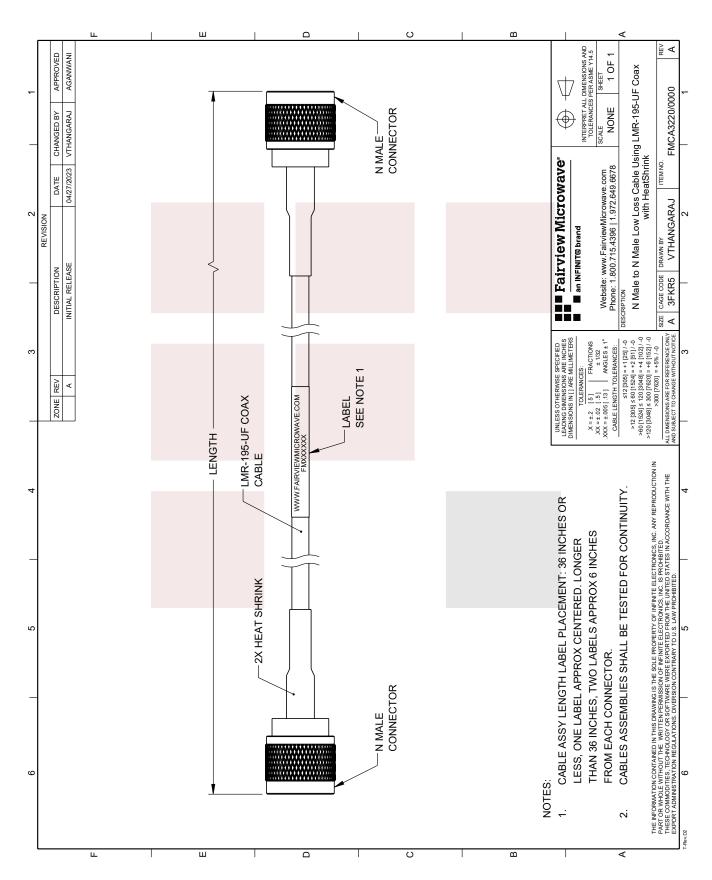
URL: https://www.fairviewmicrowave.com/low-loss-n-male-to-n-male-cable-lmr-195-uf-coax-with-heat-shrink-fmca3220-0000-p.aspx



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