

SMA Male to SMA Male Cable LMR-195 Coax in 12 Inch

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Velocity of Propagation		83		%
RF Shielding	90			dB
Capacitance		24.5 [80.38]		pF/ft [pF/m]
Inductance		0.061 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		5.36 [17.59]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		5.9 [19.36]		Ω /1000ft [Ω /Km]

Mechanical Specifications

Cable Assembly

Length	12 in [304.8 mm]
Diameter	0.315 in [8 mm]

Cable

Cable Type	LMR-195
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Tinned Copper
Shield Layer 2	Aluminum Tape
Jacket Material	PE, Black
Jacket Diameter	0.195 in [4.95 mm]

Repeated Minimum Bend Radius	12 in [304.8 mm]
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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50 μ in. minimum	50 μ in. minimum
Dielectric Type	PTFE	PTFE
Hex Size	5/16 inch	5/16 inch
Torque	4 in-lbs [0.45 Nm]	4 in-lbs [0.45 Nm]
Body Material & Plating	Brass, Gold	Brass, Gold
Body Plating Spec.	3 μ in. minimum	3 μ in. minimum

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
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Configuration:

- SMA Male
- SMA Male
- LMR-195

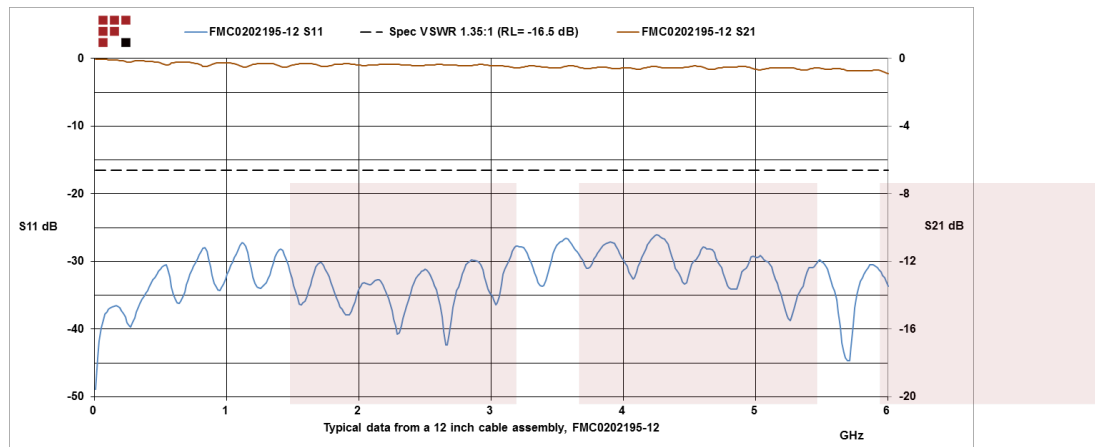
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Compliance Certifications (visit www.FairviewMicrowave.com for current document)

Plotted and Other Data

Notes:

Typical Performance Data



How to Order

Part Number Configuration:

FMC0202195 - xx uu

cm = Centimeters
<blank> = Inches
Length

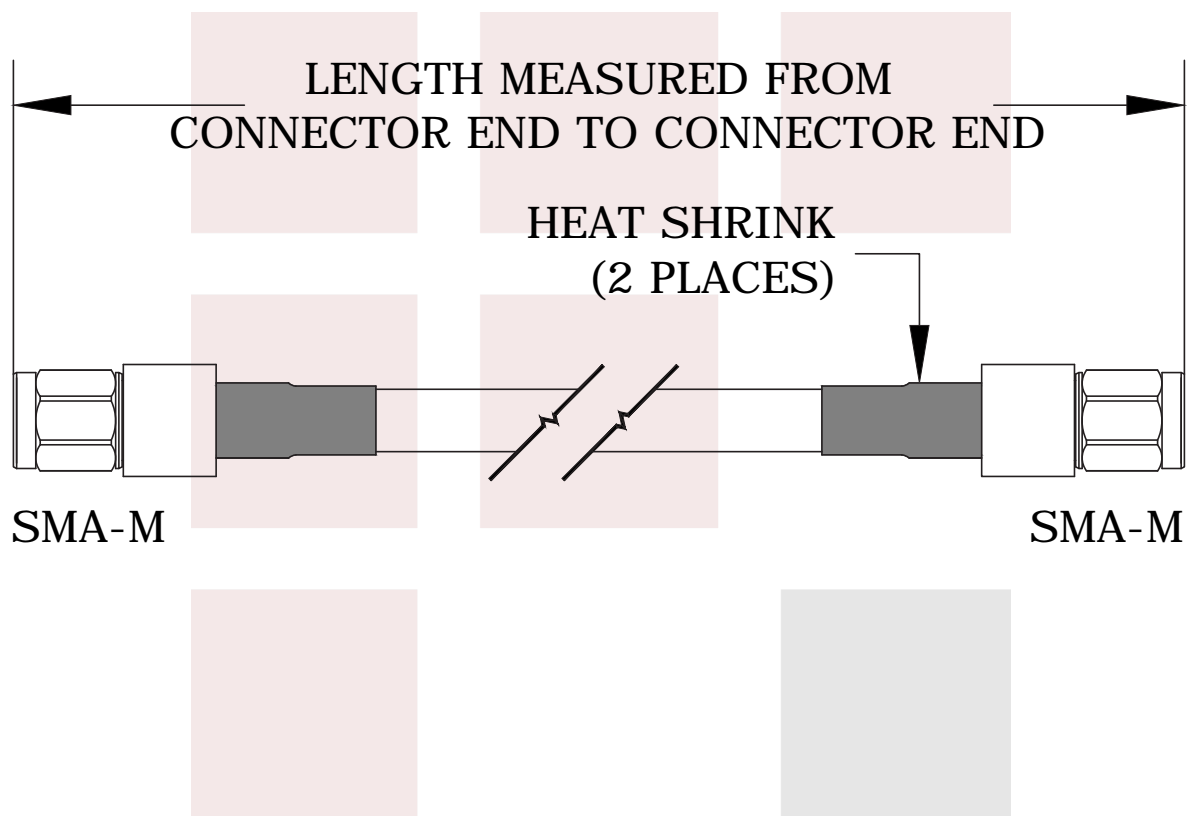
Example: FMC0202195-12 = 12 inches long cable
FMC0202195-100cm = 100 cm long cable

SMA Male to SMA Male Cable LMR-195 Coax in 12 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: [SMA Male to SMA Male Cable LMR-195 Coax in 12 Inch FMC0202195-12](http://www.fairviewmicrowave.com/sma-male-sma-male-cable-lmr195-coax-fmc0202195-12-p.aspx)

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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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TITLE SMA Male to SMA Male Cable LMR-195 Coax in 12 Inch	DWG NO FMC0202195		CAGE CODE 3FKR5		
	CAD FILE 101614	SHEET	SCALE N/A	SIZE A	5568