

SMA Male to SSMA Male Cable RG-188 Coax



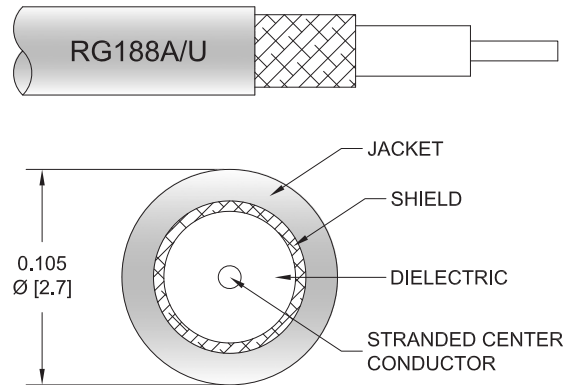
FMCA10066

Configuration

- Connector 1: SMA Male
- Connector 2: SSMA Male
- Cable Type: RG-188
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

The SMA male to SSMA male cable using RG188 coax, part number FMCA10066, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SSMA cable assembly has a male to male gender configuration with 50 ohm flexible RG-188 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA10066 SMA male to SSMA male cable assembly operates to 3 GHz.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.027 lbs [12.25 g]

Cable

Cable Type	RG-188
Impedance	50 Ohms
Inner Conductor Type	Stranded

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Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	PTFE, White
Jacket Diameter	0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SSMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	15 µin minimum	50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	200 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	200 µin minimum	100 µin minimum
Hex Size		1/4 inch

Environmental Specifications

Operating Range Temperature	-40 to +125 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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FMCA10066

Typical Performance Data

How to Order

Part Number Configuration:

FMCA10066

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: FMCA10066-12 = 12 inches long cable
FMCA10066-100cm = 100 cm long cable

SMA Male to SSMA Male Cable RG-188 Coax from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

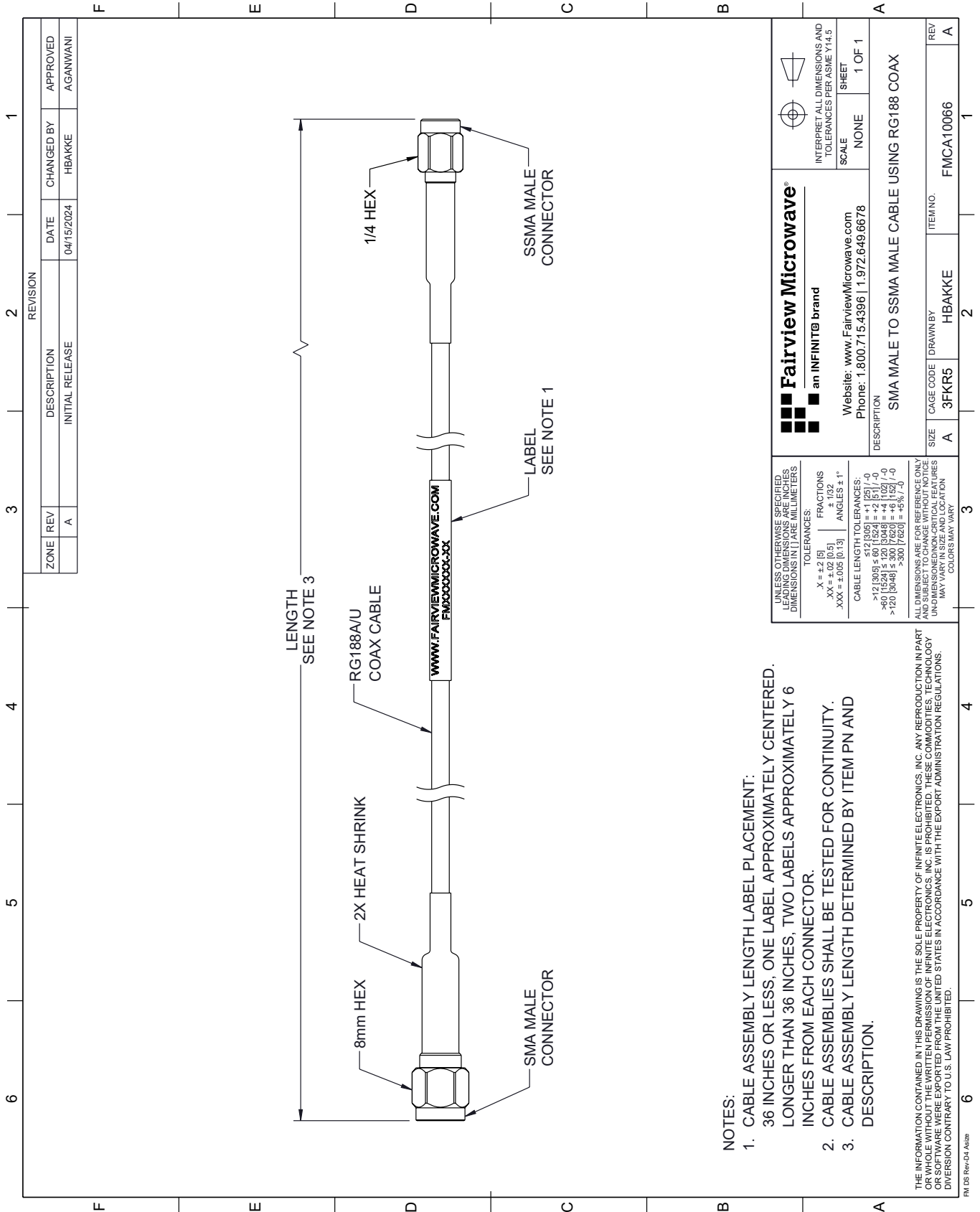
For additional information on this product, please click the following link: [SMA Male to SSMA Male Cable RG-188 Coax FMCA10066](#)

URL: <https://www.fairviewmicrowave.com/sma-male-to-ssma-male-cable-rg188-coax-fmca10066-p.aspx>

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FMCA10066 CAD Drawing

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