

SMA Male to SMA Male Cable RG-58 Coax with LF Solder



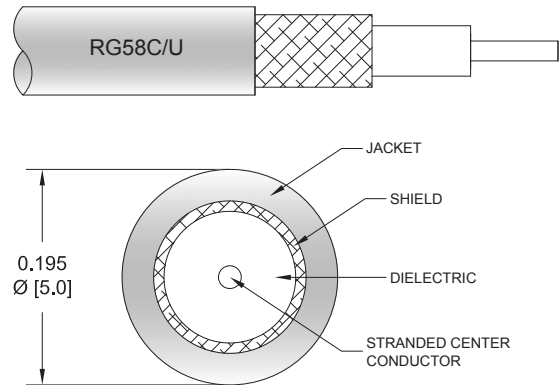
FMC00035/0001

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: RG58CU
- Coax Cable Group: 3
- Coax Flex Type: Flexible

Features

- Max Frequency 5 GHz
- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

The SMA male to SMA male cable using RG-58 coax, part number FMC00035/0001, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG58CU coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00035/0001 SMA male to SMA male cable assembly operates to 5 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		5	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	5000	MHz	
FMC00035/0001	Custom Lengths Available	Insertion Loss (Typ.)	0.07	0.11	0.2	0.35	0.6	dB/ft	
			0.23	0.37	0.66	1.15	1.97	dB/m	
FMC00035/0001-12	12 Inch	Insertion Loss (Typ.)	0.27	0.31	0.4	0.55	0.8	dB	0.064
FMC00035/0001-24	24 Inch	Insertion Loss (Typ.)	0.34	0.42	0.6	0.9	1.4	dB	0.088
FMC00035/0001-36	36 Inch	Insertion Loss (Typ.)	0.41	0.53	0.8	1.25	2	dB	0.112
FMC00035/0001-48	48 Inch	Insertion Loss (Typ.)	0.48	0.64	1	1.6	2.6	dB	0.136
FMC00035/0001-200CM	200 cm	Insertion Loss (Typ.)	0.66	0.93	1.52	2.5	4.14	dB	0.44

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.064 pounds
Additional Weight per Inch:	0.002 pounds

Mechanical Specifications

Cable Assembly

Weight	0.064 lbs [29.03 g]
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Cable

Cable Type	RG58CU
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.195 in [4.95 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	ASTM B488	ASTM B488
Dielectric Type	PTFE	PTFE
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 Inch	5/16 Inch

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Environmental Specifications

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

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration: **FMC00035/0001 - xx uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: FMC00035/0001-12 = 12 inches long cable
FMC00035/0001-100cm = 100 cm long cable

SMA Male to SMA Male Cable RG-58 Coax with LF Solder 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 SMA Male Cable RG-58 Coax with LF Solder FMC00035/0001](#)

URL: <https://www.fairviewmicrowave.com/sma-male-to-sma-male-cable-rg-58-coax-with-lf-solder-fmc00035-0001-p.aspx>

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FMC00035/0001 CAD Drawing
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