



SMA Male to SMA Male Cable FM-SR086TB Coax

The SMA male to SMA male cable using FM-SR086TB coax, part number FMC00553, 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 formable FM-SR086TB coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. The FMC00553 SMA male to SMA male cable assembly operates to 18 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		Min	Т	ур	Max	ι	Jnits
Frequency Range		DC			18		GHz
VSWR					1.4:1		
Velocity of Propagation			6	9.5			%
Capacitance			29 [95.14]		pF/f	t [pF/m]
DC Resistance Inner Cor	ductor		65.7 [215.55]	Ω/100	0ft [Ω/Km]
DC Resistance Outer Cor	nductor		10.2	[33.46]		Ω/100	0ft [Ω/Km]
-							

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.22	0.3	0.5	0.75	1.12	dB/ft
	0.72	0.98	1.64	2.46	3.67	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as $0.1~\mathrm{dB}$ per connector.

Mechanical Specifications

Cable Assembly

Weight 0.116 lbs [52.62 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type

Number of Shields

Outer Conductor Material and Plating

Repeated Minimum Bend Radius

FM-SR086TB 50 Ohms Solid

Copper Clad Steel, Silver PTFE

Copper, Tin

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0.78 in [19.81 mm]



Configuration:

- SMA Male
- SMA Male
- FM-SR086TB

Features:

- Max Frequency 18 GHz
- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2		
Туре	SMA Male	SMA Male		
Specification	MIL-STD-348A	MIL-STD-348A		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Brass, Gold	Brass, Gold		
Contact Plating Spec.	50 µin minimum	50 µin minimum		
Dielectric Type	PTFE	PTFE		
Body Material & Plating	Stainless Steel, Gold	Stainless Steel, Gold		
Body Plating Spec.	3 µin minimum	3 μin minimum		
Coupling Nut Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel		
Hex Size	5/16 inch	5/16 inch		

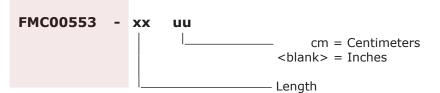
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMC00553-12 = 12 inches long cable

FMC00553-100cm = 100 cm long cable

SMA Male to SMA Male Cable FM-SR086TB Coax 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: SMA Male to SMA Male Cable FM-SR086TB Coax FMC00553

URL: https://www.fairviewmicrowave.com/sma-male-to-sma-male-cable-fm-sr086tb-coax-fmc00553-p.aspx

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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