

SMA Male to SMB Plug Cable FM-SR086TB Coax in 6 Inch

The SMA male to SMB plug 6 inch cable using FM-SR086TB coax, part number FMCA2100-6, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMB cable assembly has a male to plug 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.

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	Typ	Max	Units
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.26	0.28	0.33	0.41	0.52	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length* 6 in [152.4 mm]

Cable

Cable Type	FM-SR086TB
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Outer Conductor Material and Plating	Tinned Copper Composite Braid



Configuration:

- SMA Male
- SMB Plug
- FM-SR086TB

Features:

- 69.5% Phase Velocity
- Dimensionally and electrically the same as standard, solid outer conductor semi-rigid coax
- Cable may be formed by hand and does not require special tools to bend
- May be formed more than once without damaging the outer conductor
- High RF Shielding >100 dB
- 100% Hi-pot and continuity tested
- 100% VSWR tested to max frequency of assembly
- Standard and custom lengths ship the same day

Applications:

- General Purpose
- Laboratory Use

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMB Plug
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material & Plating	Brass, Gold	
Contact Plating Spec.	50µ in. minimum, MIL-G-45204	
Dielectric Type	PTFE	
Body Material & Plating	Stainless Steel, Gold	Brass, Nickel
Body Plating Spec.	MIL-G-45204	
Coupling Nut Material & Plating	Brass, Nickel	
Coupling Nut Plating Spec.	QQ-N-290	
Hex Size	5/16 in.	
Torque	5 in-lbs 0.57 Nm	

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMCA2100 - xx uu

cm = Centimeters
<blank> = Inches
Length

Example: FMCA2100-12 = 12 inches long cable
FMCA2100-100cm = 100 cm long cable

SMA Male to SMB Plug Cable FM-SR086TB Coax in 6 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 SMB Plug Cable FM-SR086TB Coax in 6 Inch FMCA2100-6](#)

URL: <https://www.fairviewmicrowave.com/sma-male-smb-plug-cable-fm-sr086tb-coax-fmca2100-6-p.aspx>

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