

FMC00366-200CM **DATA SHEET**

Low Loss SMA Female to SMA Female Cable RG174 Coax in 200 CM

The SMA female to SMA female 200 cm cable using RG174 coax, part number FMC00366-200CM, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a female to female gender configuration with 50 ohm flexible RG174 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00366-200CM SMA female to SMA female cable assembly operates to 1 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	U	Inits
Frequency Range	DC			1,000		MHz
VSWR				1.4:1		
Velocity of Propagation		6	66			%
Capacitance	3	31.08	[101.97]		pF/fl	[pF/m]
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Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.5	0.75	1.09	1.58	2.29	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* 78.74 in [200 cm]

Cable

Cable Type **Impedance** Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Jacket Material Jacket Diameter

RG174 50 Ohms Stranded Copper Clad Steel

PE

Tinned Copper Braid PVC, Black

0.11 in [2.79 mm]



Configuration:

- SMA Female
- SMA Female
- RG174

Features:

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket

Applications:

- General Purpose
- · Laboratory Use

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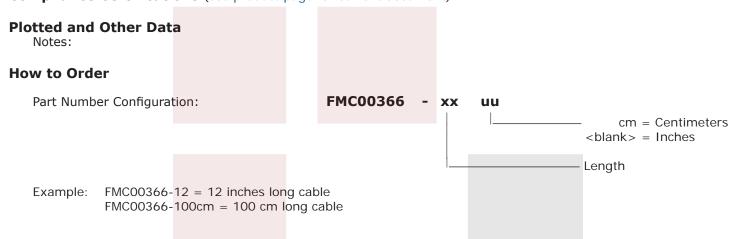


Connectors

Operating Range

Description	Connector 1	Connector 2	
Туре	SMA Female	SMA Female	
Specification	MIL-STD-348A	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Contact Plating Spec.	50 µin minimum	50 µin minimum	
Dielectric Type	PTFE	PTFE	
Outer Cond Material & Plating	Brass, Gold	Brass, Gold	
Outer Cond Plating Spec.	3 µin minimum	3 µin minimum	
Hex Size	1/4 inch	1/4 inch	
/ironmental Specifi <mark>cati</mark> Temperature	ons		

Compliance Certifications (see product page for current document)



-40 to +80 deg C

Low Loss SMA Female to SMA Female Cable RG174 Coax in 200 CM 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: Low Loss SMA Female to SMA Female Cable RG174 Coax in 200 CM FMC00366-200CM

URL: https://www.fairviewmicrowave.com/low-loss-sma-female-sma-female-cable-rg174-coax-fmc00366-200cm-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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