

FMC00305-50CM DATA SHEET

Low Loss MMCX Plug to RA MCX Plug Cable RG174 Coax in 50 CM

The MMCX plug to RA MCX plug 50 cm cable using RG174 coax, part number FMC00305-50CM, from Fairview Microwave is in-stock and ships same day. This Fairview MMCX to MCX cable assembly has a plug to plug 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 FMC00305-50CM MMCX plug to MCX plug cable assembly operates to 1 GHz. The right angle MCX interface on the RG174 cable allows for easier connections in tight spaces.

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	T	ур Мах	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		6	66	%
Capacitance	3	1.08 [[101.97]	pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.37	0.43	0.52	0.64	0.82	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 for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length* 19.68 in [499.87 mm]

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
1
Tinned Copper Braid
PVC, Black

0.11 in [2.79 mm]



Configuration:

- MMCX Plua
- MCX Plug Right Angle
- RG174

Features:

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

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2		
Туре	MMCX Plug	MCX Plug		
Specification	BS EN 122340	MIL-STD-348A		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Brass, Gold	Brass, Gold		
Contact Plating Spec.	30 µin minimum	30 µin minimum		
Dielectric Type	PTFE	PTFE		
Body Material & Plating	Brass, Gold	Brass, Gold		
Body Plating Spec.	3 µin minimum	3 µin minimum		

Environmental Specifications

Temperature

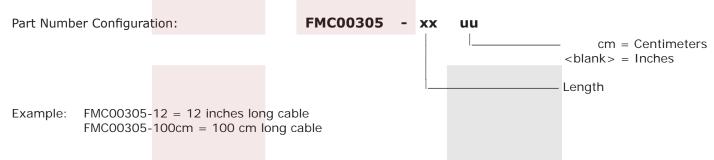
Operating Range -40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order



Low Loss MMCX Plug to RA MCX Plug Cable RG174 Coax in 50 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 MMCX Plug to RA MCX Plug Cable RG174 Coax in 50 CM FMC00305-50CM

URL: https://www.fairviewmicrowave.com/low-loss-mmcx-plug-ra-mcx-plug-cable-rg174-coax-fmc00305-50cm-p.aspx

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