

RA MMCX Plug to BNC Male Cable RG-178 Coax with LF Solder

The RA MMCX plug to BNC male cable using RG178 coax, part number FMCA3207, from Fairview Microwave is in-stock and ships same day. This Fairview MMCX to BNC cable assembly has a plug to male gender configuration with 50 ohm flexible RG-178 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3207 MMCX plug to BNC male cable assembly operates to 3 GHz. The right angle MMCX interface on the RG-178 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	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			170	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.138	0.208	0.305	0.444	0.784	dB/ft
	0.45	0.68	1	1.46	2.57	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the BNC connector and 0.2 dB for the MMCX connector.

Mechanical Specifications

Cable Assembly

Weight 0.04 lbs [18.14 g]

Cable

Cable Type RG-178
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Silver Plated Copper Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.072 in [1.83 mm]



Configuration:

- MMCX Plug Right Angle
- BNC Male
- RG-178

Features:

- Max Frequency 3 GHz
- 70% Phase Velocity
- FEP Jacket

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

Repeated Minimum Bend Radius 0.4 in [10.16 mm]

Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	30 µin minimum	50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Nickel
Body Plating Spec.	3 µin minimum	100 µin minimum
Coupling Nut Material & Plating		Brass, Nickel
Coupling Nut Plating Spec.		100 µin minimum

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3207 - xx uu

cm = Centimeters
<blank> = Inches

Length

Example: FMCA3207-12 = 12 inches long cable
FMCA3207-100cm = 100 cm long cable

RA MMCX Plug to BNC Male Cable RG-178 Coax with LF Solder 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: [RA MMCX Plug to BNC Male Cable RG-178 Coax with LF Solder FMCA3207](#)

URL: <https://www.fairviewmicrowave.com/ra-mmcx-plug-to-bnc-male-cable-rg-178-coax-with-lf-solder-fmca3207-p.aspx>

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