

## MMCX Plug to BNC Male Cable M17/113-RG316 Coax

The MMCX plug to BNC male cable using M17/113-RG316 coax, part number FMC00797, 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 M17/113-RG316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00797 MMCX plug to BNC male cable assembly operates to 3 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	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		32 [104.99]		pF/ft [pF/m]
Operating Voltage (AC)			250	Vrms

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.11	0.16	0.238	0.38	0.58	dB/ft
	0.36	0.52	0.78	1.25	1.9	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.044 lbs [19.96 g]

#### Cable

Cable Type M17/113-RG316  
 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 0.098 in [2.49 mm]

Repeated Minimum Bend Radius 0.5 in [12.7 mm]



### Configuration:

- MMCX Plug
- BNC Male
- M17/113-RG316

### Features:

- Max Frequency 3 GHz
- 69.5% Phase Velocity
- FEP Jacket

### Applications:

- General Purpose
- Laboratory Use

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**Connectors**

Description	Connector 1	Connector 2
Type	MMCX Plug	BNC Male
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	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:

**FMC00797 - xx uu**

 cm = Centimeters  
 <blank> = Inches

Length

 Example: FMC00797-12 = 12 inches long cable  
 FMC00797-100cm = 100 cm long cable

MMCX Plug to BNC Male Cable M17/113-RG316 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: [MMCX Plug to BNC Male Cable M17/113-RG316 Coax FMC00797](#)

URL: <https://www.fairviewmicrowave.com/mmcx-plug-to-bnc-male-cable-m17-113-rg316-coax-fmc00797-p.aspx>

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