

FMC0708315 DATA SHEET

MCX Plug to BNC Male Cable RG-316 Coax

The MCX plug to BNC male cable using RG-316 coax, part number FMC0708315, from Fairview Microwave is in-stock and ships same day. This Fairview MCX to BNC cable assembly has a plug to male gender configuration with 50 ohm flexible RG-316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0708315 MCX 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	Т	ур	Max	ι	Jnits
Frequency Range	DC			3		GHz
VSWR				1.35:1		
Velocity of Propagation		-	70			%
Capacitance		32 [104.99]		pF/ft [pF/m]		

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	0.25	0.38	0.58	dB/ft
	0.36	0.52	0.82	1.25	1.9	dB/m

Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Jacket Diameter

 Diameter
 0.571 in [14.5 mm]

 Weight
 0.02469 lbs [11.2 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1
Shield Layer 2
Jacket Material

RG-316 50 Ohms Solid Copper, Silver

PTFE 1

Silver Plated Copper Tape Silver Plated Copper Braid

FEP, Black

0.098 in [2.49 mm]



Configuration:

- MCX Plua
- BNC Male
- RG-316

Features:

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

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2		
Туре	MCX Plug	BNC Male		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Brass, Gold	Brass, Gold		
Contact Plating Spec.	30µ" Min	50µ in. minimum		
Dielectric Type	Teflon	Teflon		
Body Material & Plating	Brass, Gold	Brass, Nickel		
Body Plating Spec.	3µ" Minimum	100µ in. minimum		

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Range

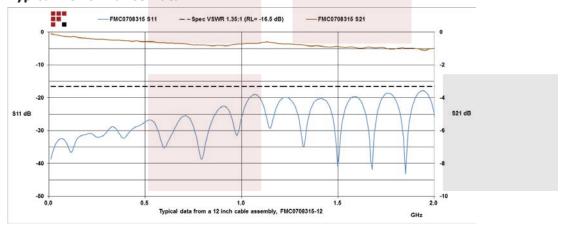
-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



How to Order

Example: FMC0708315-12 = 12 inches long cable

FMC0708315-100cm = 100 cm long cable

- Length

^{*}All cable assemblies have a length tolerance of 1.5% or \pm 3/8", whichever is greater.





MCX Plug to BNC Male Cable RG-316 Coax 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.

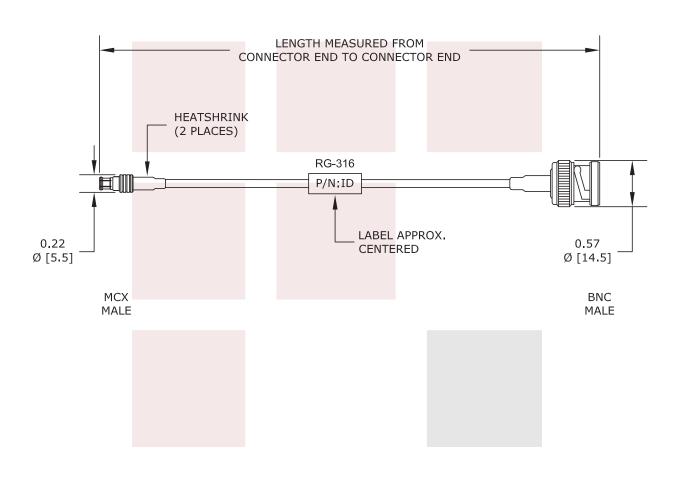
Click the following link to obtain additional part information: MCX Plug to BNC Male Cable RG-316 Coax FMC0708315

URL: https://www.fairviewmicrowave.com/mcx-male-bnc-male-cable-rg316-coax-fmc0708315-p.aspx









FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].					
MCX Plug to BNC Male Cable RG-316 Coax	DWG NO FMC0708315			CAGE CODE 3FKR5		
	CAD FILE 051017	SHEET	SCAL	E N/A	SIZE A	2233