

MCX Plug to BNC Male Cable RG-316 Coax in 12 Inch

The MCX plug to BNC male 12 inch cable using RG-316 coax, part number FMC0708315-12, 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 FMC0708315-12 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	Typ	Max	Units
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.)	0.31	0.36	0.45	0.58	0.78	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable used in this assembly. The Insertion Loss includes an estimated loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Diameter	0.571 in [14.5 mm]
Weight	0.036 lbs [16.33 g]

Cable

Cable Type	RG-316
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Black
Jacket Diameter	0.098 in [2.49 mm]



Configuration:

- MCX Plug
- 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
Type	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:

*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Environmental Specifications

Temperature

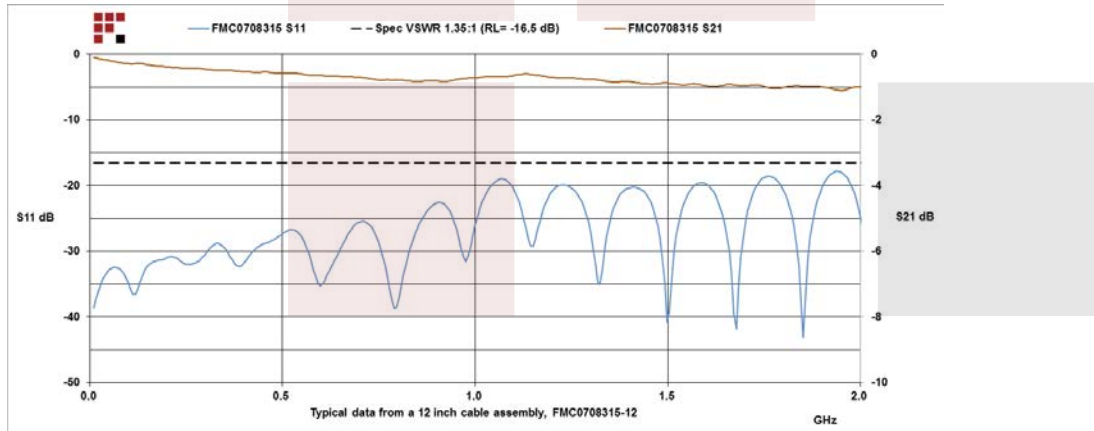
Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

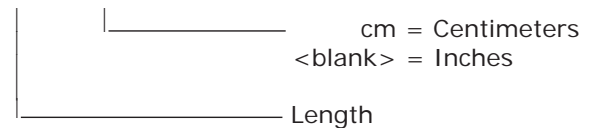
Typical Performance Data



How to Order

Part Number Configuration:

FMC0708315 - xx uu



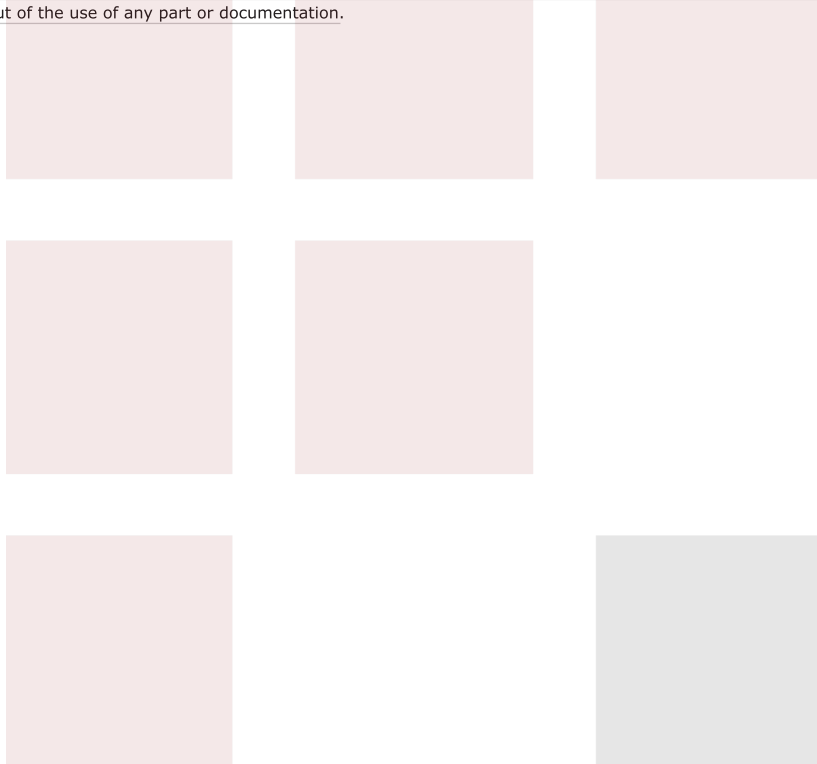
Example: FMC0708315-12 = 12 inches long cable
 FMC0708315-100cm = 100 cm long cable

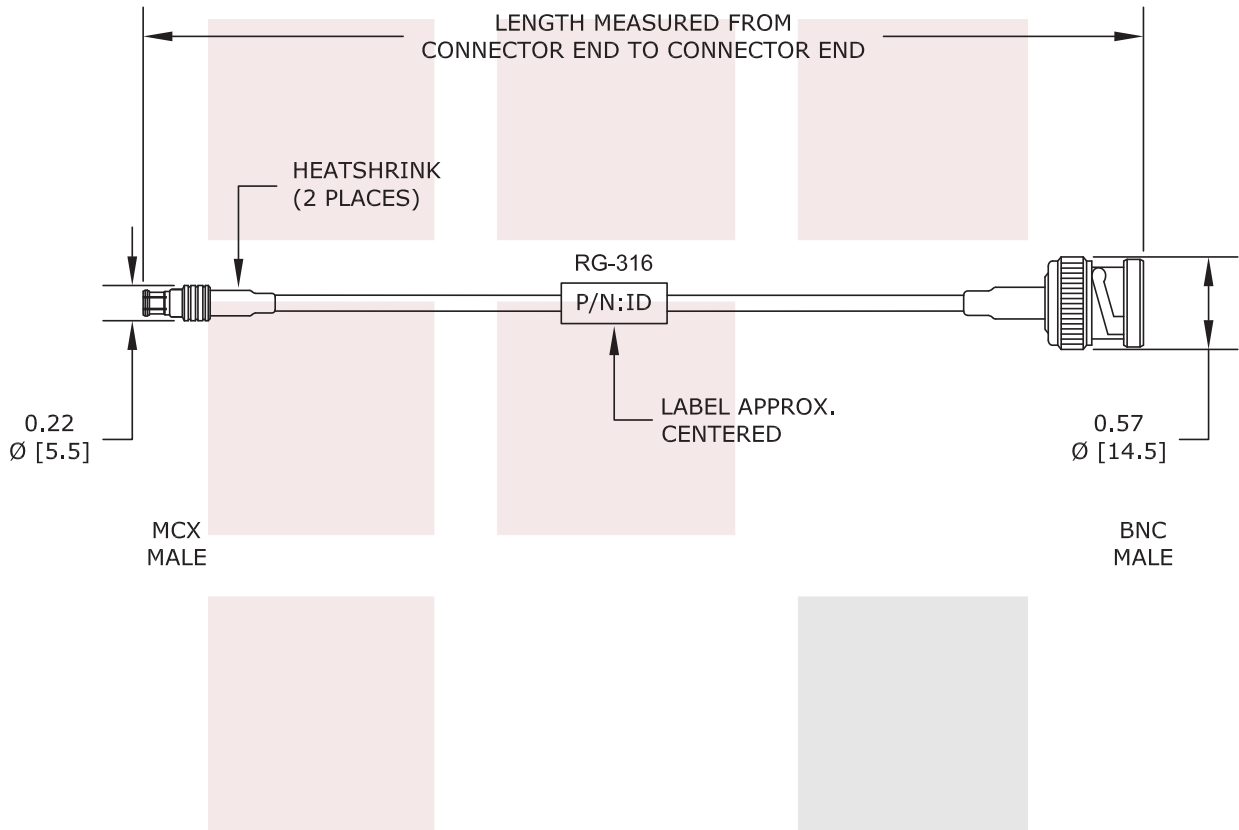
MCX Plug to BNC Male Cable RG-316 Coax in 12 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [MCX Plug to BNC Male Cable RG-316 Coax in 12 Inch FMC0708315-12](#)

URL: <https://www.fairviewmicrowave.com/mcx-male-bnc-male-cable-rg316-coax-fmc0708315-12-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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TITLE MCX Plug to BNC Male Cable RG-316 Coax in 12 Inch		DWG NO FMC0708315		CAGE CODE 3FKR5	
CAD FILE	051017	SHEET	SCALE	N/A	SIZE A 2233