

## BNC Male to 10-32 Male Cable RG-316 Coax in 120 Inch

The BNC male to 10-32 male 120 inch cable using RG-316 coax, part number FMC0810316-120, from Fairview Microwave is in-stock and ships same day. This Fairview BNC to 10-32 cable assembly has a male 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 FMC0810316-120 BNC male to 10-32 male cable assembly operates to 2 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		2	GHz
VSWR			1.5:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.1	0.25	0.5	2	GHz
Insertion Loss (Typ.)	0.95	1.3	1.8	2.58	5	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 per connector.

### Mechanical Specifications

#### Cable Assembly

Length*	120 in [304.8 cm]
Diameter	0.571 in [14.5 mm]
Weight	0.141 lbs [63.96 g]

#### Cable

Cable Type	M17/113-RG316
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
Jacket Material	FEP
Jacket Diameter	0.098 in [2.49 mm]



### Configuration:

- BNC Male
- 10-32 Male
- M17/113-RG316

### Features:

- Max Frequency 2 GHz
- 70% Phase Velocity
- FEP Jacket
- Using MIL-STD RG316

### Applications:

- General Purpose
- Laboratory Use

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**Connectors**

Description	Connector 1	Connector 2
Type	BNC Male	10-32 Male
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50µ in. minimum	MIL-G-45204
Dielectric Type	Teflon	Teflon
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	100µ in. minimum	

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration: **FMC0810316 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FMC0810316-12 = 12 inches long cable  
FMC0810316-100cm = 100 cm long cable

BNC Male to 10-32 Male Cable RG-316 Coax in 120 Inch 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: [BNC Male to 10-32 Male Cable RG-316 Coax in 120 Inch FMC0810316-120](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-10-32-male-cable-rg316-coax-fmc0810316-120-p.aspx>

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