

RA SMA Male to RA BNC Male Cable RG-58 Coax in 12 Inch

The RA SMA male to RA BNC male 12 inch cable using RG-58 coax, part number FMC00330-12, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG58C/U coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00330-12 SMA male to BNC male cable assembly operates to 3 GHz. The right angle SMA and right angle BNC interfaces on the RG58C/U cable allow 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		66		%
Capacitance	30.8	[101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Max.)	0.45	0.47	0.5	0.6	0.78	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. Insertion Loss is estimated as 0.2 dB per connector.

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Diameter	0.571 in [14.5 mm]

Cable

Cable Type	RG58C/U
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black



Configuration:

- SMA Male Right Angle
- BNC Male Right Angle
- RG58C/U

Features:

- Max Frequency 3 GHz
- 66% Phase Velocity
- PVC Jacket

Applications:

- General Purpose
- Laboratory Use

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Jacket Diameter 0.195 in [4.95 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50 µin minimum	30µ in. minimum
Dielectric Type	PTFE	Teflon
Body Material & Plating	Brass, Gold	Brass, Nickel
Body Plating Spec.	3 µin minimum	100µ in. minimum
Coupling Nut Material & Plating	Brass, Gold	Brass, Nickel
Coupling Nut Plating Spec.	3 µin minimum	100µ in. minimum
Hex Size	5/16 inch	

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMC00330 - xx uu

cm = Centimeters
 <blank> = Inches

Length

Example: FMC00330-12 = 12 inches long cable
 FMC00330-100cm = 100 cm long cable

RA SMA Male to RA BNC Male Cable RG-58 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: [RA SMA Male to RA BNC Male Cable RG-58 Coax in 12 Inch FMC00330-12](https://www.fairviewmicrowave.com/ra-sma-male-ra-bnc-male-cable-rg58-coax-fmc00330-12-p.aspx)

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