

N Female to BNC Male Cable RG-58 Coax with Heat Shrink

The type N female to BNC male cable using RG-58 coax, part number FMC00516, from Fairview Microwave is in-stock and ships same day. This Fairview type N to BNC cable assembly has a female 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 FMC00516 type N female to BNC male cable assembly operates to 4 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		4	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance	30.8	[101.05]		pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.049	0.074	0.116	0.2	0.5	dB
	0.16	0.24	0.38	0.66	1.64	

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as $0.1 * \sqrt{\text{FGHz}}$ dB per connector.

Mechanical Specifications

Cable Assembly

Length*	0 in [0 mm]
Weight	0.123 lbs [55.79 g]

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
Jacket Diameter	0.195 in [4.95 mm]



Configuration:

- N Female
- BNC Male
- RG58C/U

Features:

- Max Frequency 4 GHz
- 66% Phase Velocity
- PVC Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	N Female	BNC Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Silver	Brass, Gold
Contact Plating Spec.	QQ-S-365	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Brass, Nickel	
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	QQ-N-290	100 µin minimum
Coupling Nut Material & Plating		Brass, Nickel
Coupling Nut Plating Spec.		100 µin minimum

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC00516 - xx uu

cm = Centimeters
<blank> = Inches
Length

Example: FMC00516-12 = 12 inches long cable
FMC00516-100cm = 100 cm long cable

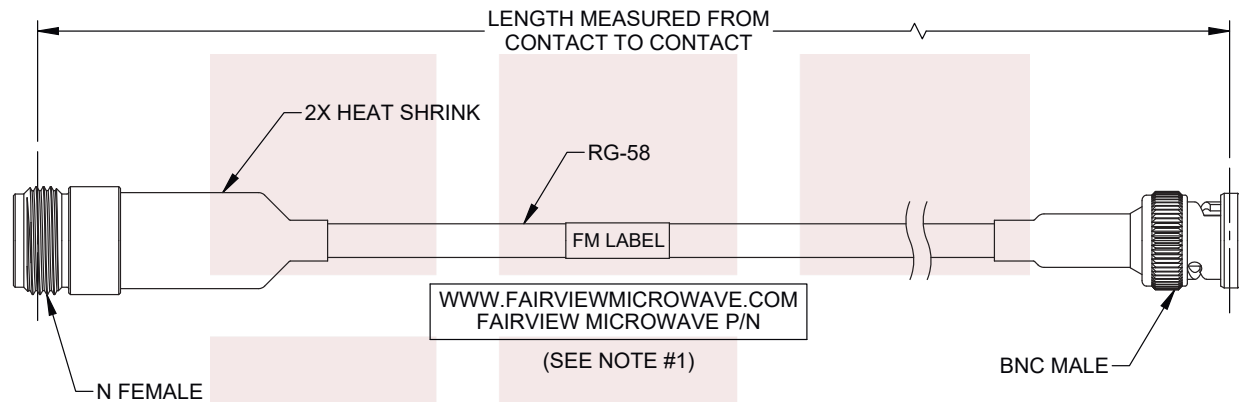
N Female to BNC Male Cable RG-58 Coax with Heat Shrink from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [N Female to BNC Male Cable RG-58 Coax with Heat Shrink FMC00516](#)

URL: <https://www.fairviewmicrowave.com/n-female-to-bnc-male-cable-rg-58-coax-fmc00516-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/11/2021	SRAUTUS



- NOTES:
1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED.
CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END
6.0" FROM THE END OF THE CONNECTOR.

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<div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div>Fairview Microwave</div><div><div></div><div>an INFINIT@ brand</div></div></div>		<div>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</div> <div><div>TOLERANCES:</div><div><div>.X = ±.2 [.508]</div><div>XX = ±.02 [.51]</div><div>.XXX = ±.005 [.13]</div></div><div><div>FRACTIONS</div><div>± 1/32</div><div>ANGLES ± 1°</div></div></div> <div><div>CABLE LENGTH (L) TOLERANCES:</div><div><div>L ≤ 12 [305] = +1 [25] / -0</div><div>12 [305] < L ≤ 60 [1524] = +2 [51] / -0</div><div>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</div><div>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</div><div>300 [7620] < L = +5%L / -0</div></div></div>				<div>THIRD-ANGLE PROJECTION</div> <div></div> <div>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</div>	
TITLE							
N Female to BNC Male Cable RG-58 Coax with Heat Shrink							
		ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SCALE			
				N/A			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV			
A	3FKR5	DMAY	FMC00516	A			

T-Rev.D