

FMC00141 DATA SHEET

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

The type N male to type N female cable using RG-58 coax, part number FMC00141, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to female 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 FMC00141 type N male to type N female cable assembly operates to 5 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 Мах	d Units	
Frequency Range	DC		5	GHz	
VSWR			1.4:	1	
Velocity of Propagation		6	56	%	
Capacitance		30.8 [101.05]	pF/ft [pF/m	1]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5	GHz
Insertion Loss (Typ.)	0.074	0.116	0.2	0.35	0.6	dB
	0.24	0.38	0.66	1.15	1.97	

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1*SQRT(FGHz) dB per connector.

Mechanical Specifications

Cable Assembly

Length* 0 in [0 mm]
Weight 0.438 lbs [198.67 g]

Cable

Cable Type RG58C/U **Impedance** 50 Ohms Stranded Inner Conductor Type Inner Conductor Material and Plating Copper, Tin Dielectric Type PE Number of Shields Shield Layer 1 Tinned Copper Braid Jacket Material PVC, Black Jacket Diameter 0.195 in [4.95 mm]



Configuration:

- N Male
- N Female
- RG58C/U

Features:

- Max Frequency 5 GHz
- 66% Phase Velocity
- PVC Jacket

Applications:

- General Purpose
- Laboratory Use

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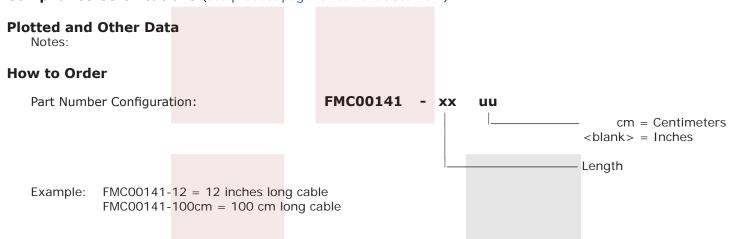




Connectors

Description	Connector 1		Connector 2		
Туре	N Male	<u>)</u>	N Fema	le	
Specification	MIL-STD-	-348			
Impedance	50 Ohms		50 Ohms		
Contact Material & Plating	Brass, Gold		Brass, Silver		
Contact Plating Spec.	MIL-G-45204		QQ-S-365		
Dielectric Type	PTFE		PTFE		
Outer Cond Material & Plating				Brass, Nickel	
Body Material & Plating	Brass, Nic	Brass, Nickel		Brass, Nickel	
Body Plating Spec.	QQ-N-29	QQ-N-290		QQ-N-290	
vironmental Specifi Temperature Operating Range	cations	-40	to +80 deg C		

Compliance Certifications (see product page for current document)



N Male to N Female 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 Male to N Female Cable RG-58 Coax with Heat Shrink FMC00141

URL: https://www.fairviewmicrowave.com/n-male-to-n-female-cable-rg-58-coax-fmc00141-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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