SMA Female to N Female Cable RG-58 Coax

The SMA female to type N female cable using RG-58 coax, part number FMC00295, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to type N cable assembly has a female 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 FMC00295 SMA female 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.

Configuration:

- SMA Female
- N Female
- RG58C/U

Features:

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

Applications:

- General Purpose
- Laboratory Use

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		5	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	0.25	0.5	1	2.5	5	GHz
Insertion Loss (Max.)	0.07	0.1	0.2	0.32	0.6	dB/ft
	0.23	0.33	0.66	1.05	1.97	dB/m

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly
Diameter   0.5 in [12.7 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
Jacket Diameter   0.195 in [4.95 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Female	N Female
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Brass, Silver
Contact Plating Spec.	50μ in. minimum	QQ-S-365
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating		Brass, Nickel
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	100μ in. minimum	QQ-N-290

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: **FMC00295 - xx   uu**

cm = Centimeters
<blank> = Inches

Length

Example: FMC00295-12 = 12 inches long cable
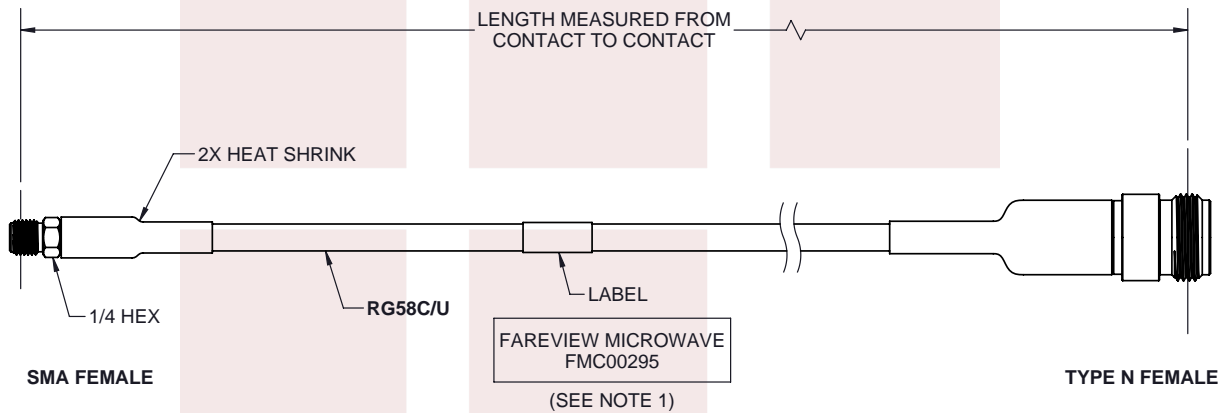FMC00295-100cm = 100 cm long cable

SMA Female to N Female Cable RG-58 Coax 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: SMA Female to N Female Cable RG-58 Coax FMC00295

URL: https://www.fairviewmicrowave.com/sma-female-n-female-cable-rg58-coax-fmc00295-p.aspx

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	09/09/20	SELLIS

LENGTH MEASURED FROM
CONTACT TO CONTACT

2X HEAT SHRINK

1/4 HEX

SMA FEMALE

RG58C/U

LABEL

FAREVIEW MICROWAVE
FMC00295

(SEE NOTE 1)

TYPE N FEMALE

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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Fairview Microwave
an INFINITe brand

TITLE

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2   [5.08]   FRACTIONS
.XX = ±.02   [.51]   ± 1/32
.XXX = ±.005 [.13]   ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET		OF	
1		1	

SCALE
N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.		REV
A	3FKR5	BPUCHASKI	FMC00295		A

T-Rev.D