

N Male to SMA Male Cable RG-142 Coax in 12 Inch with LF Solder

The type N male to SMA male 12 inch cable using RG-142 coax, part number FMC0102143LF-12, from Fairview Microwave is in-stock and ships same day. This Fairview type N to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG-142 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0102143LF-12 type N male to SMA male cable assembly operates to 5 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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		5	GHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Capacitance	29.39	[96.42]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Weight	0.131 lbs [59.42 g]

Cable

Cable Type	RG-142
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP
Jacket Diameter	0.195 in [4.95 mm]



Configuration:

- N Male
- SMA Male
- RG-142

Features:

- Max Frequency 5 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	N Male	SMA Male
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	MIL-G-45204	50μ in. minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Brass, Gold
Body Plating Spec.	QQ-N-290	3μ in. minimum
Hex Size		5/16 inch
Torque		4 in-lbs 0.45 Nm

Environmental Specifications

Temperature

Operating Range -65 to +200 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FMC0102143LF - xx uu**

cm = Centimeters
 <blank> = Inches

Length

Example: FMC0102143LF-12 = 12 inches long cable
 FMC0102143LF-100cm = 100 cm long cable

N Male to SMA Male Cable RG-142 Coax in 12 Inch with LF Solder 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 SMA Male Cable RG-142 Coax in 12 Inch with LF Solder FMC0102143LF-12](#)

URL: <https://www.fairviewmicrowave.com/standard-n-male-sma-male-cable-rg142-coax-fmc0102143lf-12-p.aspx>

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