

N Male to SMA Male Cable RG-142 Coax

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		5	GHz
Velocity of Propagation		70		%
Capacitance		29.39 [96.42]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Diameter	0.78 in [19.81 mm]
Weight	0.0851 lbs [38.6 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]

Connectors

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

Environmental Specifications

Temperature

Operating Range	-65 to +200 deg C
-----------------	-------------------

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

Plotted and Other Data

Notes:

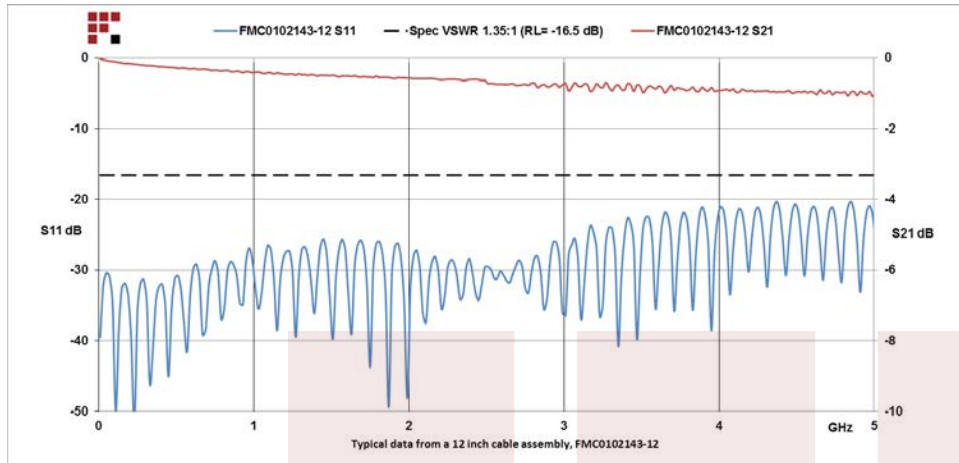


Configuration:

- N Male
- SMA Male
- RG-142

Fairview Microwave
 1130 Junction Dr. #100
 Allen, TX 75013
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Typical Performance Data



How to Order

Part Number Configuration:

FMC0102143 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

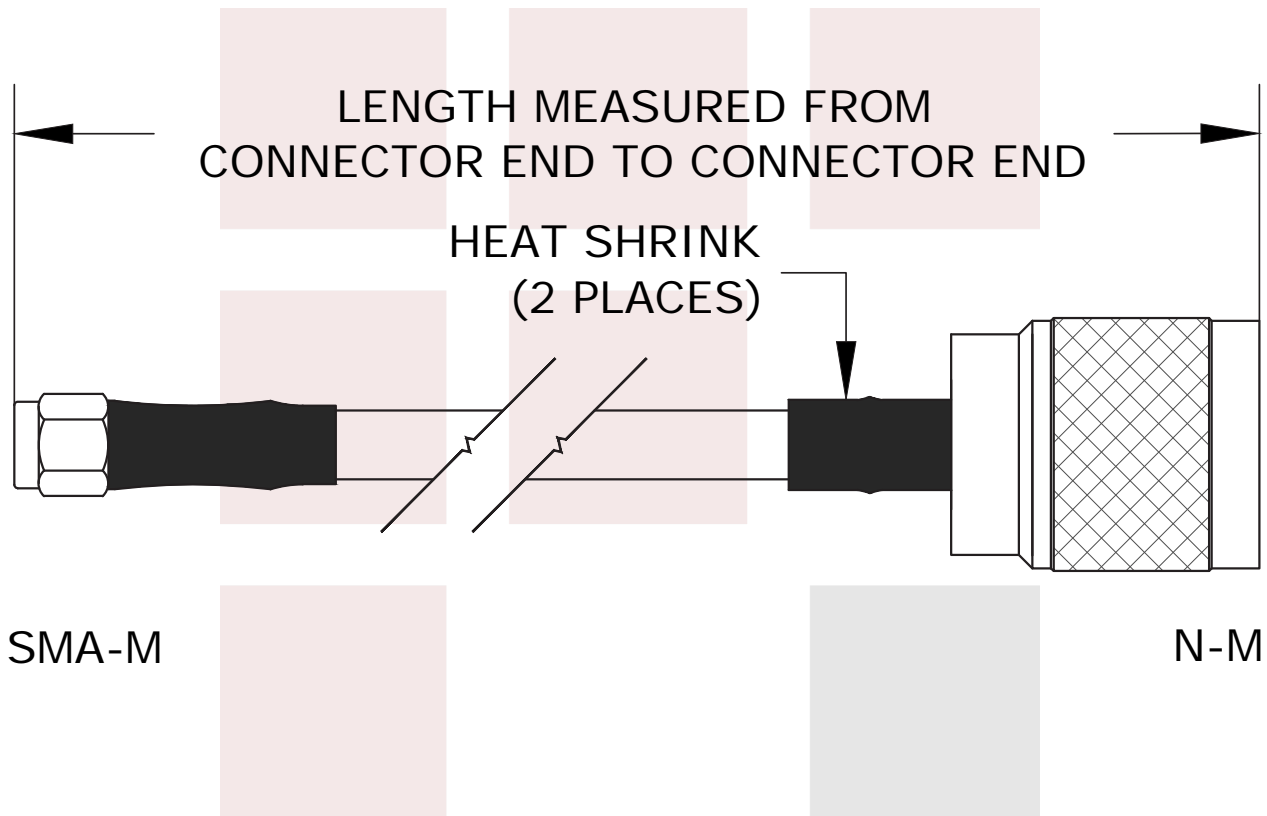
Example: FMC0102143-12 = 12 inches long cable
 FMC0102143-100cm = 100 cm long cable

N Male to SMA Male Cable RG-142 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: [N Male to SMA Male Cable RG-142 Coax FMC0102143](#)

URL: <http://www.fairviewmicrowave.com/n-male-sma-male-cable-rg142-coax-fmc0102143-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.



FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE N Male to SMA Male Cable RG-142 Coax		DWG NO FMC0102143-XX		CAGE CODE 3FKR5	
CAD FILE	101014	SHEET	SCALE	N/A	SIZE A 5568