

**N Male to SMA Male Cable RG-142 Coax in 12 Inch**

**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**

Length	12 in [304.8 mm]
Diameter	0.78 in [19.81 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]

**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](http://www.FairviewMicrowave.com) for current document)

**Plotted and Other Data**

Notes:

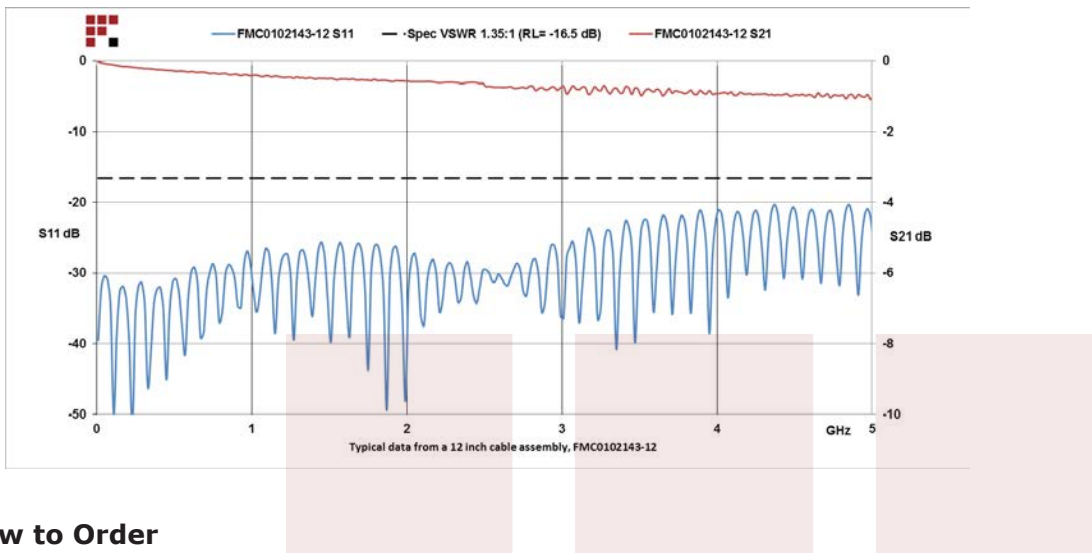


**Configuration:**

- N Male
- SMA Male
- RG-142

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**Typical Performance Data**



**How to Order**

Part Number Configuration:

**FMC0102143 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

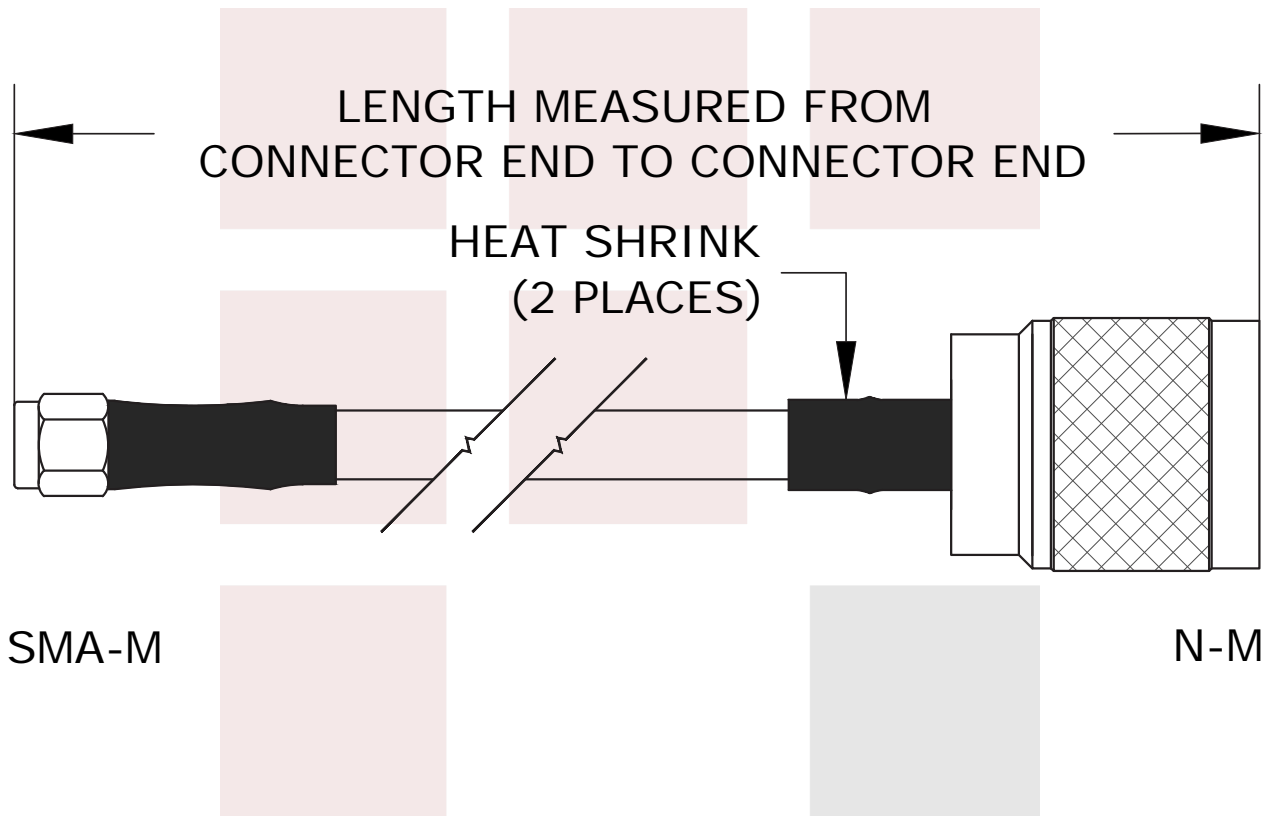
Example: FMC0102143-12 = 12 inches long cable  
 FMC0102143-100cm = 100 cm long cable

N Male to SMA Male Cable RG-142 Coax in 12 Inch 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 in 12 Inch FMC0102143-12](#)

URL: <http://www.fairviewmicrowave.com/n-male-sma-male-cable-rg142-coax-fmc0102143-12-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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TITLE N Male to SMA Male Cable RG-142 Coax in 12 Inch		DWG NO FMC0102143-XX		CAGE CODE 3FKR5	
CAD FILE	101014	SHEET	SCALE	N/A	SIZE A 5568