

# FMC00667 DATA SHEET

# Low Loss SMA Male to N Male Cable LMR-240-DB Coax Using Times Microwave Components

The SMA male to type N male 12 inch cable using LMR-240-DB coax, part number FMC00667, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to type N cable assembly has a male to male gender configuration with 50 ohm flexible LMR-240-DB coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 90 dB.

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	Ty	/p	Max	U	nits
Velocity of Propagation			8	4			%
RF Shielding		90					dB
Group Delay			1.21	[3.97]		ns/ft	[ns/m]
Capacitance			24.2	[79.4]		pF/ft	[pF/m]
Inductance			0.06	[0.2]		uH/ft	[uH/m]
DC Resistance Inner Conductor			3.2 [	10.5]		Ω/100	Oft [Ω/Km]
DC Resistance Outer Conductor			3.89 [	12.76]		Ω/100	Oft [Ω/Km]
Jacket Spark					5,000	V	′rms

**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**

Weight 0.137 lbs [62.14 g]

#### Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1
Shield Layer 2
Jacket Material

One Time Minimum Bend Radius Repeated Minimum Bend Radius Bending Moment

Bending Moment Flat Plate Crush Tensile Strength

Jacket Diameter

LMR-240-DB 50 Ohms Solid Copper PE (F) 2 Aluminum Tape Tipped Copper Br

Tinned Copper Braid PE, Black 0.24 in [6.1 mm]

0.75 in [19.05 mm] 2.5 in [63.5 mm] 0.25 lbs-ft [0.34 N-m] 20 lbs/in [0.36 Kg/mm] 80 lbs [36.29 Kq]



# **Configuration:**

- SMA Male
- N Male
- LMR-240-DB

#### Features:

- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- PE Jacket

## **Applications:**

- General Purpose
- Laboratory Use

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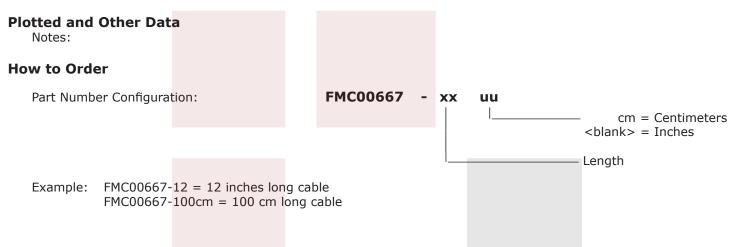




#### **Connectors**

Description	Connector 1	Connector 2
Туре	SMA Male	N Male
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gol	ld Beryllium Copper, Gold
Contact Plating Spec.	ASTM B488	ASTM-B488
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plati	ng Passivated Stainless Steel	, Gold Brass, Tri-Metal
Body Material & Plating	Passivated Stainless Steel	, Gold Brass, Tri-Metal
Body Plating Spec.	SAE-AMS-2700	QQ-N-290
Coupling Nut Material & Pla	ting Passivated Stainless St	eel Brass, Tri-Metal
Coupling Nut Plating Spec.	SAE-AMS-2700	QQ-N-290
Hex Size		13/16 inch

**Compliance Certifications** (see product page for current document)



Low Loss SMA Male to N Male Cable LMR-240-DB Coax Using Times Microwave Components 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: Low Loss SMA Male to N Male Cable LMR-240-DB Coax Using Times Microwave Components FMC00667

URL: https://www.fairviewmicrowave.com/low-loss-sma-male-to-n-male-cable-lmr-240-db-coax-in-12-inch-using-times-microwave-components-fmc00667-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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