

Low Loss N Female Bulkhead to 7/16 DIN Male Cable LMR-600-DB Coax

The type N female bulkhead to 7/16 DIN male cable using LMR-600-DB coax, part number FMC00284, from Fairview Microwave is in-stock and ships same day. This Fairview type N to 7/16 DIN cable assembly has a female to male gender configuration with 50 ohm flexible LMR-600-DB coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00284 type N female to 7/16 DIN male cable assembly operates to 5.8 GHz. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. 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	Typ	Max	Units
Frequency Range	DC		5.8	GHz
Velocity of Propagation		87		%
RF Shielding	90			dB
Group Delay		1.17 [3.84]		ns/ft [ns/m]
Capacitance		23.4 [76.77]		pF/ft [pF/m]
Inductance		0.058 [0.19]		uH/ft [uH/m]
DC Resistance Inner Conductor		0.53 [1.74]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		1.2 [3.94]		Ω /1000ft [Ω /Km]
Jacket Spark			8,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.01	0.02	0.03	0.04	0.07	dB/ft
	0.03	0.07	0.1	0.13	0.23	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 0.827 in [21.01 mm]

Cable

Cable Type LMR-600-DB



Configuration:

- N Female Bulkhead
- 7/16 DIN Male
- LMR-600-DB

Features:

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 87% Phase Velocity
- Double Shielded
- PE Jacket

Applications:

- General Purpose
- Laboratory Use

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Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Aluminum
 Dielectric Type PE (F)
 Number of Shields 2
 Shield Layer 1 Aluminum Tape
 Shield Layer 2 Tinned Copper Braid
 Jacket Material PE, Black
 Jacket Diameter 0.59 in [14.99 mm]

One Time Minimum Bend Radius 1.5 in [38.1 mm]
 Repeated Minimum Bend Radius 6 in [152.4 mm]
 Bending Moment 2.75 lbs-ft [3.73 N-m]
 Flat Plate Crush 60 lbs/in [1.07 Kg/mm]
 Tensile Strength 350 lbs [158.76 Kg]

Connectors

Description	Connector 1	Connector 2
Type	N Female	7/16 DIN Male
Mount Method	Bulkhead	
Specification		IEC 169-4
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Brass, Silver
Dielectric Type	Teflon	PTFE
Body Material & Plating	Brass, Silver	Brass, Tri-Metal
Coupling Nut Material & Plating		Brass, Tri-Metal

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C
 Storage Range -70 to +85 deg C

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

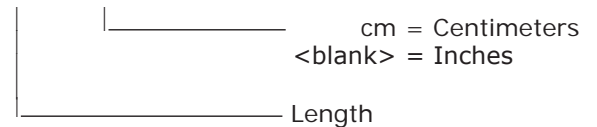
Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC00284 - xx uu



Example: FMC00284-12 = 12 inches long cable
 FMC00284-100cm = 100 cm long cable

Low Loss N Female Bulkhead to 7/16 DIN Male Cable LMR-600-DB 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: [Low Loss N Female Bulkhead to 7/16 DIN Male Cable LMR-600-DB Coax FMC00284](#)

URL: <https://www.fairviewmicrowave.com/low-loss-n-female-7-16-din-male-cable-lmr600db-coax-fmc00284-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.



