

FMC00352-12 DATA SHEET

Low Loss BNC Male to BNC Female Bulkhead Cable RG-142 Coax in 12 Inch

The BNC male to BNC female bulkhead 12 inch cable using RG-142 coax, part number FMC00352-12, from Fairview Microwave is in-stock and ships same day. This Fairview BNC to BNC cable assembly has a male to female gender configuration with 50 ohm flexible RG142 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00352-12 BNC male to BNC female cable assembly operates to 5 GHz. Our RF cable assembly with BNC 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.

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	Units
Frequency Range	DC		5	GHz
VSWR			1.4:1	
Velocity of Propagation		70)	%
Capacitance		29.39 [9	96.42]	pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	5	GHz
Insertion Loss (Typ.)	0.23	0.25	0.28	0.32	0.52	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length* 12 in [304.8 mm]
Diameter 0.689 in [17.5 mm]

Cable

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

RG142 50 Ohms Solid

Copper Clad Steel, Silver PTFE

2

Silver Plated Copper Braid



Configuration:

- BNC Male
- BNC Female Bulkhead
- RG142

Features:

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

Applications:

- General Purpose
- Laboratory Use

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Shield Layer 2 Silver Plated Copper Braid

Jacket Material FEP, Tan

Jacket Diameter 0.195 in [4.95 mm]

Repeated Minimum Bend Radius 1 in [25.4 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	BNC Male	BNC Female	
Mount Method		Bulkhead	
Impedance	50 Ohms	50 Ohms	
Contact Material & Plating	Brass, Gold	Brass, Gold	
Contact Plating Spec.	30µ in. minimum	30µ in. minimum	
Dielectric Type	PTFE	PTFE	
Outer Cond Material & Plating		Brass, Nickel	
Body Material & Plating	Brass, Nickel	Brass, Nickel	
Body Plating Spec.	100µ in. minimum	100µ in. minimum	
Coupling Nut Material & Plating	Brass, Nickel		
Coupling Nut Plating Spec.	100 µin minimum		

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

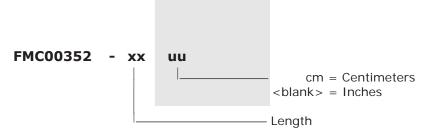
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMC00352-12 = 12 inches long cable

FMC00352-100cm = 100 cm long cable





Low Loss BNC Male to BNC Female Bulkhead 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: Low Loss BNC Male to BNC Female Bulkhead Cable RG-142 Coax in 12 Inch FMC00352-12

URL: https://www.fairviewmicrowave.com/low-loss-bnc-male-bnc-female-cable-rg142-coax-fmc00352-12-p.aspx







