

Snap-On MMBX Plug to TNC Female Bulkhead Cable RG316 Coax in 24 Inch

Fairview Microwave's MMBX cable assemblies are part of our full line of RF interconnects available for same-day shipping. These MMBX cable assemblies are designed for test applications or connection of your MMBX system components. With a high frequency range up to 3 GHz, this family of MMBX cables can also be used to connect your panels to PCB's with between series options like MMBX-to-SMA, MMBX-to-N or MMBX-to-TNC assemblies. There are hundreds of possible cable assembly configurations to choose from, all available same day.

This MMBX cable assembly datasheet PDF contains specifications, CAD drawing and dimensions that are shown below. Fairview Microwave not only has many MMBX cable assembly options, but also a wide selection of RF, microwave and millimeter wave cable assemblies which allows RF designers to customize their configurations to whatever is required. Whether the need is to provide an I/O for a board design or simply create a custom cable assembly configuration, Fairview Microwave has the right cable assemblies for the job. Fairview can also expertly build your custom RF cable assemblies for you and ship same day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Return Loss		-15.56		dB
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Max.)	0.42	0.54	0.68	0.96	1.36	dB

Mechanical Specifications

Cable Assembly

Length*	24 in [609.6 mm]
Diameter	0.689 in [17.5 mm]

Cable

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.098 in [2.49 mm]



Configuration:

- Snap-OnMMBX Plug
- TNC Female Bulkhead
- RG316

Features:

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket
- Max. Operating Frequency of 3 GHz
- Snap-On mating

Applications:

- General Purpose
- Laboratory Use
- General Purpose MMBX Test
- PCB Testing
- Low Profile MMBX Cable Jumpers
- PCB-to-Panel Connection

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Connectors

Description	Connector 1	Connector 2
Type	MMBX Plug	TNC Female
Mount Method		Bulkhead
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method	Snap-On	
Mating Cycles	100	
Contact Material & Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Spec.		30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Brass, Gold	
Body Material & Plating	Brass, Gold	Brass, Nickel
Body Plating Spec.		100 µin minimum

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA1425 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

Example: FMCA1425-12 = 12 inches long cable
 FMCA1425-100cm = 100 cm long cable

Snap-On MMBX Plug to TNC Female Bulkhead Cable RG316 Coax in 24 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: [Snap-On MMBX Plug to TNC Female Bulkhead Cable RG316 Coax in 24 Inch FMCA1425-24](#)

URL: <https://www.fairviewmicrowave.com/mmbx-plug-tnc-female-cable-rg316u-coax-fmca1425-24-p.aspx>

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