Fairview Microwave
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1553 TRB 3-Slot Plug to TRB 3-Lug Jack Bulkhead Cable 78 Ohm FMBC-30-02003 Coax in 36 Inch with Bend Relief

The 78 ohm TRB 3-Slot plug to 78 ohm TRB 3-Lug jack bulkhead 36 inch cable using 78 ohm FMBC-30-02003 twinax, part number FM3MP2625-36, from Fairview Microwave is in-stock and ships same day. This Fairview TRB 3-Slot to TRB 3-Lug cable assembly has a plug to jack gender configuration with 78 ohm flexible FMBC-30-02003 twinax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MP2625-36 TRB 3-Slot plug to TRB 3-Lug jack cable assembly operates to 500 MHz. Our RF cable assembly with TRB 3-Lug 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.

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.

Configuration:
- TRB 3-Slot Plug
- TRB 3-Lug Jack Bulkhead
- FMBC-30-02003

Features:
- Max Frequency 500 MHz
- PVC Jacket
- MIL-STD-1553
- -20°C to +75°C
- 78 ohms

Applications:
- General Purpose
- Laboratory Use
- MIL-STD-1553
- Data

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		500	MHz
Capacitance		20.3 [66.6]		pF/ft [pF/m]
Operating Voltage (AC)			300	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	10	50	100	200	500	MHz
Insertion Loss (Typ.)	0.359	0.557	0.704	0.911	1.325	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax 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*	36 in [914.4 mm]
Weight	0.171 lbs [77.56 g]

Cable
Cable Type	FMBC-30-02003
Impedance	78 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Shield Layer 1	Silver Plated Copper
Jacket Material	PVC, Blue
One Time Minimum Bend Radius	1.5 in [38.1 mm]

Connectors

Description	Connector 1	Connector 2
Type	TRB 3-Slot Plug Bayonet	TRB 3-Lug Jack Bayonet
Option	Bend Relief Spring	Bend Relief Spring
Mount Method		Bulkhead
Impedance	78 Ohms	78 Ohms
Contact Material & Plating	Bronze, Gold 30 micro inches	Bronze, Gold 30 micro inches
Contact Plating Spec.	ASTM-B-488	ASTM-B-488
Dielectric Type	Teflon	Teflon
Outer Cond Material & Plating	Phosphor Bronze, Gold	Phosphor Bronze, Gold
Outer Cond Plating Spec.	30 micro inches	30 micro inches
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	ASTM-B-733	ASTM-B-733

Environmental Specifications
Temperature
Operating Range   -20 to +75 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

How to Order

Part Number Configuration: **FM3MP2625   -   xx   uu**

cm = Centimeters
<blank> = Inches

Length

Example: FM3MP2625-12 = 12 inches long cable
FM3MP2625-100cm = 100 cm long cable
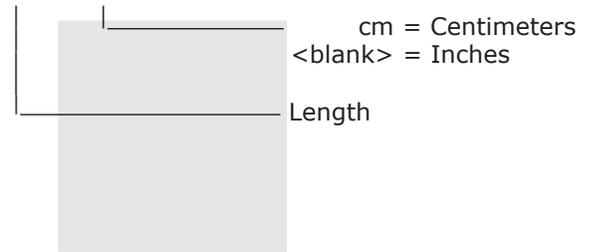
1553 TRB 3-Slot Plug to TRB 3-Lug Jack Bulkhead Cable 78 Ohm FMBC-30-02003 Coax in 36 Inch with Bend Relief from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: 1553 TRB 3-Slot Plug to TRB 3-Lug Jack Bulkhead Cable 78 Ohm FMBC-30-02003 Coax in 36 Inch with Bend Relief FM3MP2625-36

URL: https://www.fairviewmicrowave.com/1553-trb-3-slot-plug-to-trb-3-lug-jack-bulkhead-cable-78-ohm-fmbc-30-02003-coax-in-36-inch-with-bend-relief-fm3mp2625-36-p.aspx

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.80 [20.3]
.157 [4.0]
MAX PANEL

TRB 3-LUG JACK BULKHEAD WITH BEND RELIEF

LABEL SEE NOTE 1 & 2

WWW.FAIRVIEWMICROWAVE.COM
FMXXXXXXX-XX

78 OHM TWINAX CABLE JACKET: PVC, BLUE NOM. DIA: .150" [3.81]

LENGTH

2X BEND RELIEF

TRB 3-SLOT PLUG WITH BEND RELIEF

Ø .510 [12.95] / .505 [12.83]

.221 [5.61] / .218 [5.54]

RECOMMENDED PANEL CUTOUT

SHIELD
WHITE
BLUE

WIRING MAP

Revision

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	8/28/2023	KDANG	EKIM

NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ILLUSTRATED: FM3MP2625-XX (-XX = OAL IN INCHES)
3. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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Website: www.FairviewMicrowave.com
Phone: 1.800.715.4396 | 1.972.649.6678

DESCRIPTION
Bend Relief 3-Slot TRB Plug to Bend Relief 3-Lug TRB Bulkhead Jack for 78 Ohm FMBC-30-02003 Cable

SIZE	CAGE CODE	DRAWN BY		ITEM NO.	REV
A	3FKR5	KDANG		FM3MP2625	A

SCALE NONE   SHEET 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:
X = ± .2 [5]   FRACTIONS
.XX = ±.02 [0.5]   ± 1/32
.XXX = ±.005 [0.13]   ANGLES ± 1°

CABLE LENGTH TOLERANCES:
≤12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

T-Rev. D3

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