

TRB 3-Lug Jack Non-Insulated Bulkhead to Blunt Cut 1553 Cable 48" Using 124 Ohm TWC-124-2 Twinax

The 78 ohm TRB 3-Lug jack bulkhead to Blunt cut genderless 48 cable using 124 ohm TWC-124-2 twinax, part number FM3MSA00663-48, from Fairview Microwave is in-stock and ships same day. This Fairview TRB 3-Lug to Blunt Cut cable assembly has a jack to genderless gender configuration with 124 ohm flexible TWC-124-2 twinax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MSA00663-48 TRB 3-Lug jack to Blunt cut genderless 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.

Electrical Specifications

| Description | Min | Typ | Max | Units |
|------------------------|-----|--------------|-------|--------------|
| Frequency Range | DC | | 500 | MHz |
| Capacitance | | 12.3 [40.35] | | pF/ft [pF/m] |
| Operating Voltage (AC) | | | 1,000 | Vrms |

Mechanical Specifications

Cable Assembly

Length* 48 in [121.92 cm]
Weight 0.333 lbs [151.05 g]

Cable

Cable Type TWC-124-2
Impedance 124 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 1.25 in [31.75 mm]



Configuration:

- TRB 3-Lug Jack Bulkhead
- Blunt Cut Genderless
- TWC-124-2

Features:

- Max Frequency 500 MHz
- PVC Jacket
- 124 ohms
- Twinaxial
- MIL-STD-1553B
- -40°C to +80°C
- Lead Free Solder
- Standard and Custom Lengths Available

Applications:

- General Purpose
- Laboratory Use
- MIL-STD-1553B Applications
- Data Transmission

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Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|------------------------------|----------------------------|
| Type | TRB 3-Lug Jack Bayonet | Blunt Cut Genderless Other |
| Mount Method | Bulkhead | |
| Specification | MIL-STD-1553 | |
| Impedance | 78 Ohms | |
| Contact Material & Plating | Bronze, Gold 30 micro inches | |
| Contact Plating Spec. | ASTM-B-488 | |
| Dielectric Type | Teflon | |
| Outer Cond Material & Plating | Phosphor Bronze, Gold | |
| Outer Cond Plating Spec. | 30 micro inches | |
| Body Material & Plating | Brass, Nickel | |
| Body Plating Spec. | ASTM-B-733 | |

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

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

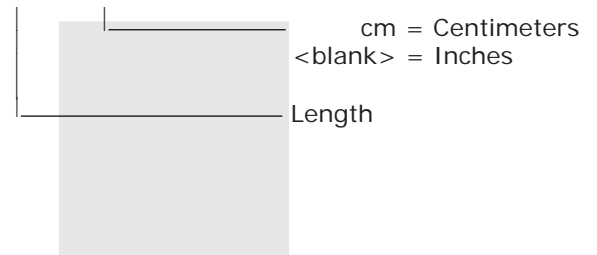
Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FM3MSA00663 - xx uu**

Example: FM3MSA00663-12 = 12 inches long cable
FM3MSA00663-100cm = 100 cm long cable



TRB 3-Lug Jack Non-Insulated Bulkhead to Blunt Cut 1553 Cable 48" Using 124 Ohm TWC-124-2 Twinax 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: [TRB 3-Lug Jack Non-Insulated Bulkhead to Blunt Cut 1553 Cable 48" Using 124 Ohm TWC-124-2 Twinax FM3MSA00663-48](#)

URL: <https://www.fairviewmicrowave.com/1553-trb-3-lug-jack-bulkhead-to-blunt-cut-genderless-cable-124-ohm-twc-124-2-coax-in-48-fm3msa00663-48-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.

