

## 1553 TRB 3-Lug Jack Bulkhead Non-Isolated to Blunt Cut Genderless Cable 78 Ohm M17/176-00002 Coax in 48 Inch

The 78 ohm TRB 3-Lug jack bulkhead nonisolated to Blunt cut genderless 48 inch cable using 78 ohm M17/176-00002 twinax, part number FM3MP2445-48, 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 78 ohm flexible M17/176-00002 twinax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MP2445-48 TRB 3-Lug jack to Blunt cut genderless cable assembly operates to 10 MHz. Our RF cable assembly with TRB 3-Lug bulkhead nonisolated 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		10	MHz
Capacitance		24 [78.74]		pF/ft [pF/m]
Operating Voltage (AC)			750,000	Vrms

#### 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\* 48 in [121.92 cm]  
 Weight 0.131 lbs [59.42 g]

#### Cable

Cable Type M17/176-00002  
 Impedance 78 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type PTFE  
 Shield Layer 1 Silver Plated Copper  
 Jacket Material PFA, Blue

One Time Minimum Bend Radius 1.5 in [38.1 mm]



### Configuration:

- TRB 3-Lug Jack Bulkhead Non-Isolated
- Blunt Cut Genderless
- M17/176-00002

### Features:

- Max Frequency 10 MHz
- PFA Jacket
- MIL-STD-1553
- -55°C to +200°C
- 78 ohms

### Applications:

- General Purpose
- Laboratory Use
- Vehicle High Temperature
- Data
- MIL-STD-1553

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**Connectors**

Description	Connector 1	Connector 2
Type	TRB 3-Lug Jack Bayonet	Blunt Cut Genderless Other
Mount Method	Bulkhead	NonIsolated
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 -55 to +200 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration: **FM3MP2445 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FM3MP2445-12 = 12 inches long cable  
FM3MP2445-100cm = 100 cm long cable

1553 TRB 3-Lug Jack Bulkhead Non-Isolated to Blunt Cut Genderless Cable 78 Ohm M17/176-00002 Coax in 48 Inch 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-Lug Jack Bulkhead Non-Isolated to Blunt Cut Genderless Cable 78 Ohm M17/176-00002 Coax in 48 Inch FM3MP2445-48](#)

URL: <https://www.fairviewmicrowave.com/1553-trb-3-lug-jack-bulkhead-nonisolated-to-blunt-cut-genderless-cable-78-ohm-m17-176-00002-coax-in-48-inch-fm3mp2445-48-p.aspx>

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