

## 1553 TRB 3-Slot Plug to TRB 3-Lug Jack Bulkhead Cable 78 Ohm FMBC-30-02003 Coax in 48 Inch with Bend Relief with LF Solder

The 78 ohm TRB 3-Slot plug to 78 ohm TRB 3-Lug jack bulkhead 48 inch cable using 78 ohm FMBC-30-02003 twinax, part number FM3MSA00478-48, 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 FM3MSA00478-48 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. The FM3MSA00478 it's a Lead Free assembly consisting of a Bend Relief 3-slot solder/clamp TRB plug to a Bend Relief 3-Lug TRB Solder/Clamp Non-Insulated Bulk Head Jack for FMBC-30-02003, that is a standard lab-rated PVC cable for MIL-STD-1553 applications. These cable assemblies come with a 1.700" steel spring-style bend relief that helps to minimize cable damage when exceeding the cables minimum bend radius. These assemblies are built to withstand severe shocks and vibrations.

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		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.)	0.42	0.68	0.88	1.15	1.7	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\* 48 in [121.92 cm]  
 Weight 0.4 lbs [181.44 g]

#### Cable

Cable Type FMBC-30-02003  
 Impedance 78 Ohms  
 Inner Conductor Type Stranded



### 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
- Lab rated
- Lead Free
- Bend Relief

### Applications:

- General Purpose
- Laboratory Use
- MIL-STD-1553
- Data
- Lab applications

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1553 TRB 3-Slot Plug to TRB 3-Lug Jack Bulkhead Cable 78 Ohm FMBC-30-02003 Coax in 48 Inch with Bend Relief with LF Solder 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 48 Inch with Bend Relief with LF Solder FM3MSA00478-48](https://www.fairviewmicrowave.com/1553-trb-3-slot-plug-to-trb-3-lug-jack-bulkhead-cable-78-ohm-fm3msa00478-48)

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