

## 1553 TRS Subminiature Plug to TRB 3-Lug Jack Cable 78 Ohm FMBC-30-02003 Coax in 48 Inch

The 78 ohm TRS Subminiature plug to 78 ohm TRB 3-Lug jack 48 inch cable using 78 ohm FMBC-30-02003 twinax, part number FM3CA2375-48, from Fairview Microwave is in-stock and ships same day. This Fairview TRS Subminiature 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 FM3CA2375-48 TRS Subminiature plug to TRB 3-Lug jack cable assembly operates to 500 MHz.

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

### Mechanical Specifications

#### Cable Assembly

Length\* 48 in [121.92 cm]  
 Weight 0.15 lbs [68.04 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]



### Configuration:

- TRS Subminiature Plug
- TRB 3-Lug Jack
- 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

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**Connectors**

Description	Connector 1	Connector 2
Type	TRS Subminiature Plug Bayonet	TRB 3-Lug Jack Bayonet
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: **FM3CA2375 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FM3CA2375-12 = 12 inches long cable  
FM3CA2375-100cm = 100 cm long cable

1553 TRS Subminiature Plug to TRB 3-Lug Jack Cable 78 Ohm FMBC-30-02003 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 TRS Subminiature Plug to TRB 3-Lug Jack Cable 78 Ohm FMBC-30-02003 Coax in 48 Inch FM3CA2375-48](#)

URL: <https://www.fairviewmicrowave.com/1553-trs-subminiature-plug-to-trb-3-lug-jack-cable-78-ohm-fmbc-30-02003-coax-in-48-inch-fm3ca2375-48-p.aspx>

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