

**1553 TRB 3-Slot Plug to Blunt Cut Sexless Cable  
 78 Ohm M17/176-00002 Coax in 48 Inch**

The 78 ohm TRB 3-Slot plug to Blunt cut sexless 48 inch cable using 78 ohm M17/176-00002 twinax, part number FM3MSA00437-48, from Fairview Microwave is in-stock and ships same day. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MSA00437-48 TRB 3-Slot plug to Blunt cut cable assembly operates to 10 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		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 0.253 lbs [114.76 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-Slot Plug
- Blunt Cut
- 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-Slot Plug Bayonet	Blunt Cut
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: **FM3MSA00437 - xx uu**

 cm = Centimeters  
 <blank> = Inches

Length

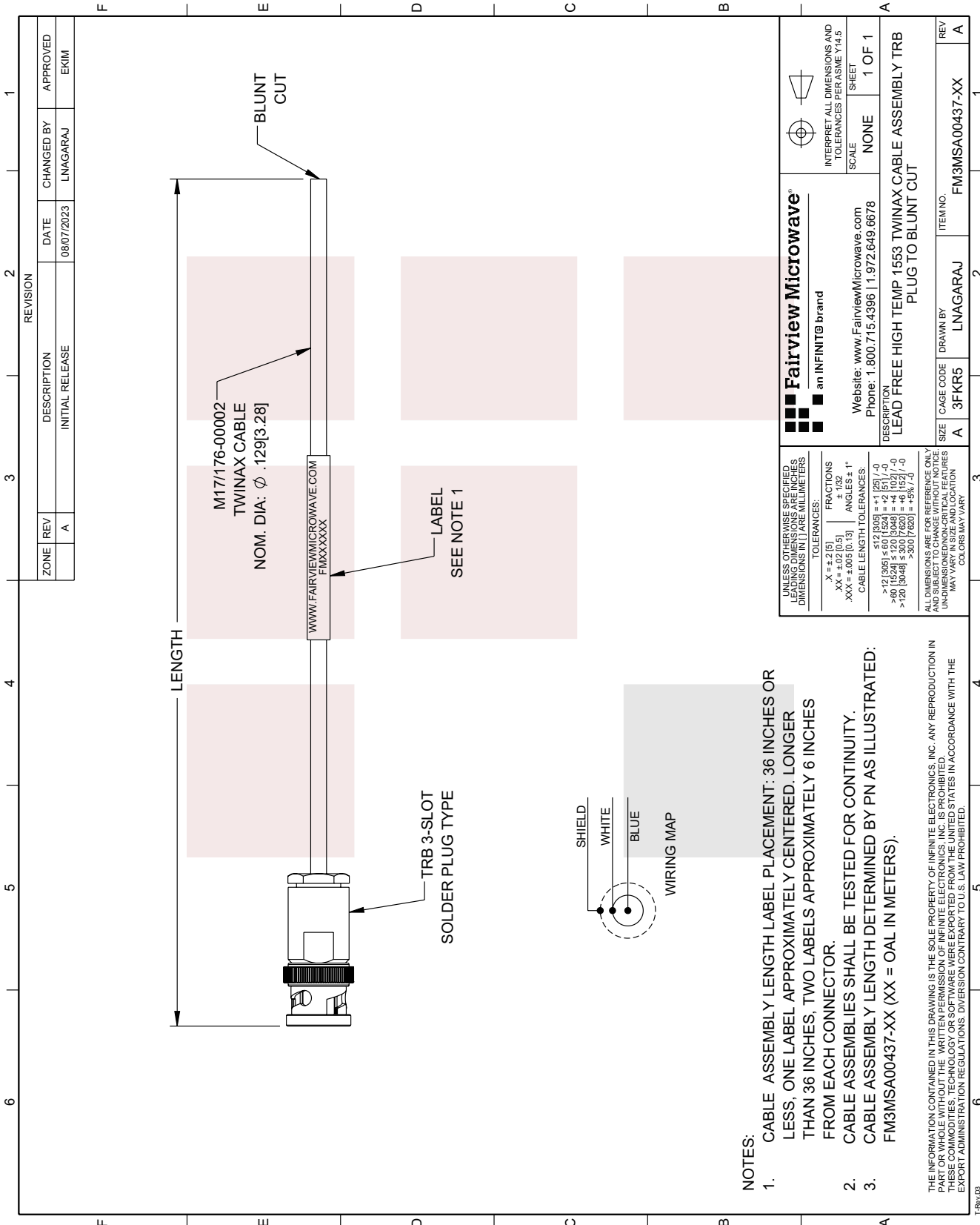
 Example: FM3MSA00437-12 = 12 inches long cable  
 FM3MSA00437-100cm = 100 cm long cable

1553 TRB 3-Slot Plug to Blunt Cut Sexless 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-Slot Plug to Blunt Cut Sexless Cable 78 Ohm M17/176-00002 Coax in 48 Inch FM3MSA00437-48](#)

URL: <https://www.fairviewmicrowave.com/1553-trb-3-slot-plug-to-blunt-cut-sexless-cable-78-ohm-m17-176-00002-coax-in-48-inch-fm3msa00437-48-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.



- NOTES:**
1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
  2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
  3. CABLE ASSEMBLY LENGTH DETERMINED BY PN AS ILLUSTRATED: FM3MSA00437-XX (XX = OAL IN METERS).

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<b>Fairview Microwave</b> an INFINIT <sup>®</sup> brand Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [ ] ARE MILLIMETERS. TOLERANCES: .X = ±.01 [0.5] .XX = ±.005 [0.13] .XXX = ±.0025 [0.064] ANGLES ± 1° CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = ±.01 [0.25] / -0 >60 [1524] ≤ 300 [7620] = ±.02 [0.51] / -0 >120 [3048] ≤ 300 [7620] = ±.03 [0.762] / -0 >300 [7620] = ±.05 [1.27] / -0		ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UN-DIMENSIONED CRITICAL FEATURES MAY VARY. COLORS MAY VARY.	
DESCRIPTION: LEAD FREE HIGH TEMP 1553 TWINAX CABLE ASSEMBLY TRB PLUG TO BLUNT CUT	ITEM NO.: FM3MSA00437-XX	DRAWN BY: LNAGARAJ	REV: A
SIZE: A	CAGE CODE: 3FKR5	DRAWN BY: LNAGARAJ	REV: A

REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	A	08/07/2023	LNAGARAJ	EKIM
DESCRIPTION				
INITIAL RELEASE				