

**Bend Relief 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 FM3MSA00671-48, 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 FM3MSA00671-48 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 BayonetBlunt Cut Genderless Other	
Option	Bend Relief Spring	
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:

**FM3MSA00671 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FM3MSA00671-12 = 12 inches long cable  
FM3MSA00671-100cm = 100 cm long cable

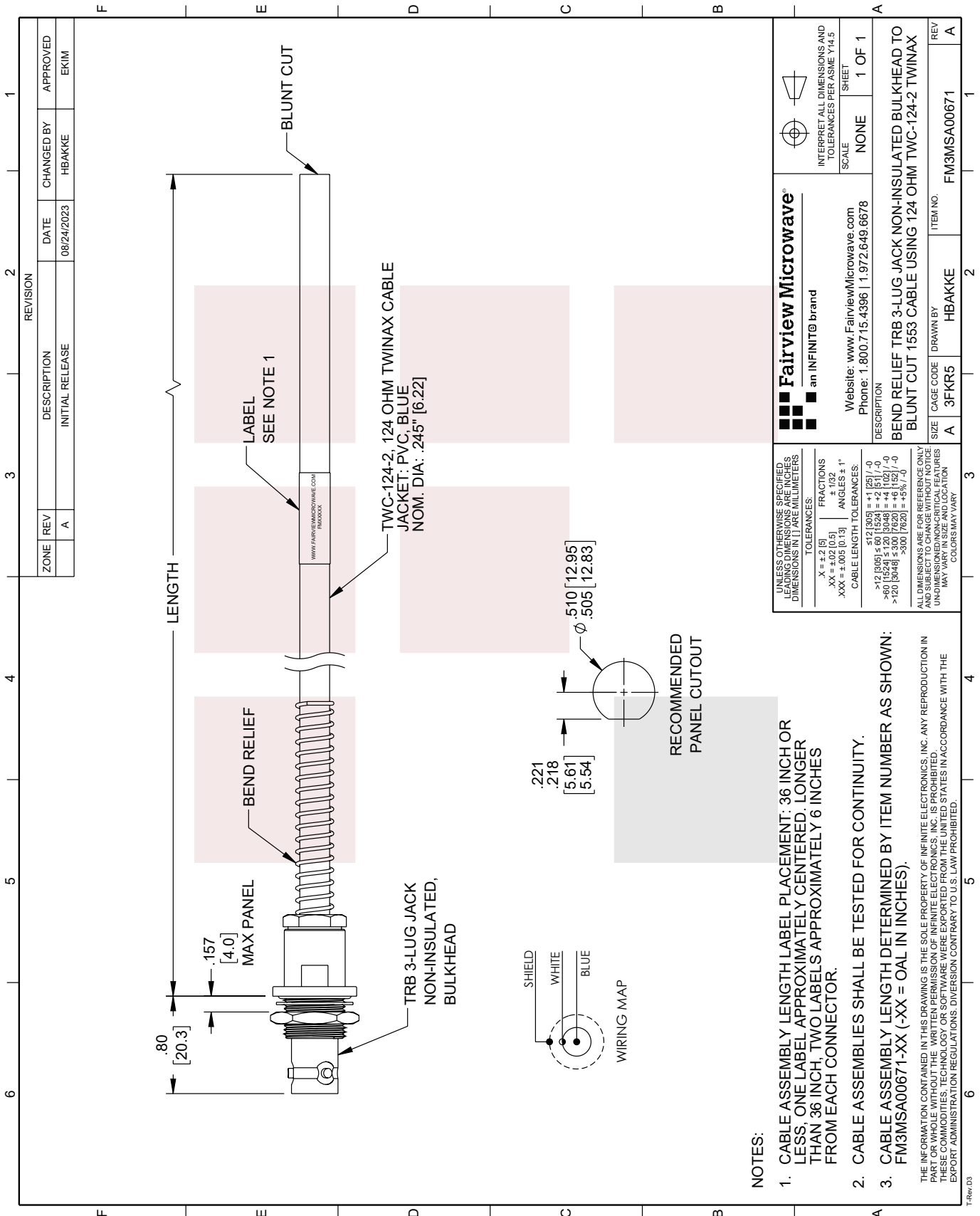
Bend Relief TRB 3-Lug Jack Non-Insulated Bulkhead to Blunt Cut 1553 Cable 48" Using 124 Ohm TWC-124-2 Twinax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Bend Relief TRB 3-Lug Jack Non-Insulated Bulkhead to Blunt Cut 1553 Cable 48" Using 124 Ohm TWC-124-2 Twinax FM3MSA00671-48](#)

URL: <https://www.fairviewmicrowave.com/1553-trb-3-lug-jack-bulkhead-to-blunt-cut-genderless-cable-124-ohm-twc-124-2-coax-in-48-bend-relief-spring-fm3msa00671-48-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.





ZONE		REVISION		DESCRIPTION		DATE		CHANGED BY		APPROVED	
A				INITIAL RELEASE		08/24/2023		HBAKKE		EKIM	

<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	
DESCRIPTION <b>BEND RELIEF TRB 3-LUG JACK NON-INSULATED BULKHEAD TO BLUNT CUT 1553 CABLE USING 124 OHM TWC-124-2 TWINAX</b>			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	HBAKKE	FM3MSA00671

- NOTES:**
- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
  - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
  - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM NUMBER AS SHOWN: FM3MSA00671-XX (-XX = OAL IN INCHES).
- ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS OTHERWISE SPECIFIED. LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [ ] ARE MILLIMETERS.
- TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]  
 FRACTIONS ± 1/32  
 ANGLES ± 1°  
 CABLE LENGTH TOLERANCES:  
 ≤12 [305] = ±.1 [25] / -0  
 ≤12 [305] ≤.50 [12.7] = ±.2 [5] / -0  
 ≤.50 [12.7] ≤.75 [19.0] = ±.3 [7.6] / -0  
 >.75 [19.0] ≤.100 [25.4] = ±.4 [10.2] / -0  
 >.100 [25.4] ≤.300 [76.2] = ±.6 [15.2] / -0  
 >.300 [76.2] = ±.8% / -0  
 COLORS MAY VARY
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