

## Bend Relief TRB 3-Lug Jack Non-Insulated Bulkhead to Blunt Cut 1553 Cable 12" Using 124 Ohm TWC-124-2 Twinax

The 78 ohm TRB 3-Lug jack bulkhead to Blunt cut genderless 12 cable using 124 ohm TWC-124-2 twinax, part number FM3MSA00671-12, 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 FM3MSA00671-12 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*	12 in [304.8 mm]
Weight	0.25 lbs [113.4 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

Fairview Microwave  
 301 Leora Ln., Suite 100  
 Lewisville, TX 75056  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**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

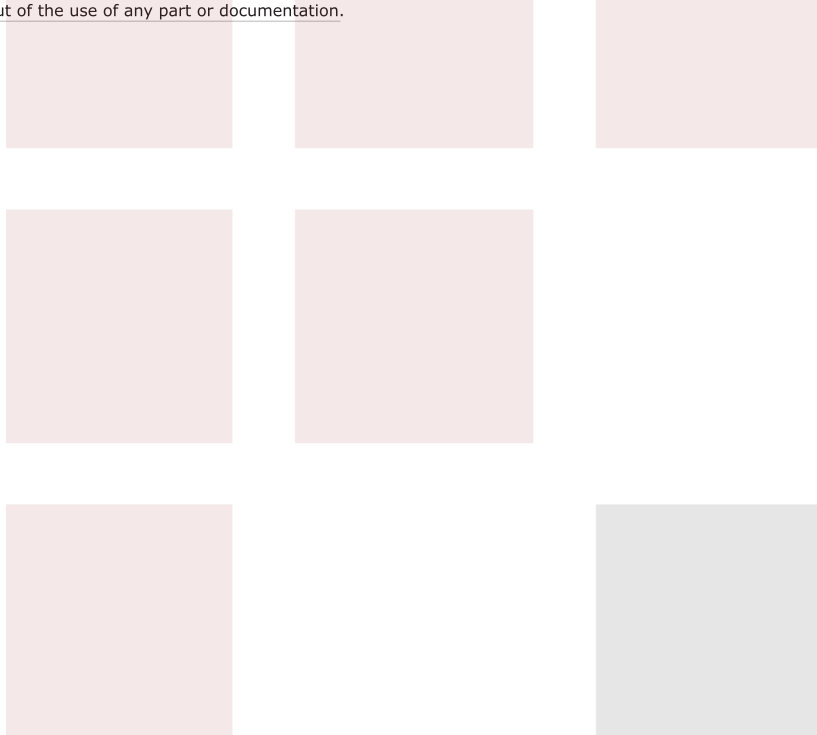
Example: FM3MSA00671-12 = 12 inches long cable  
FM3MSA00671-100cm = 100 cm long cable

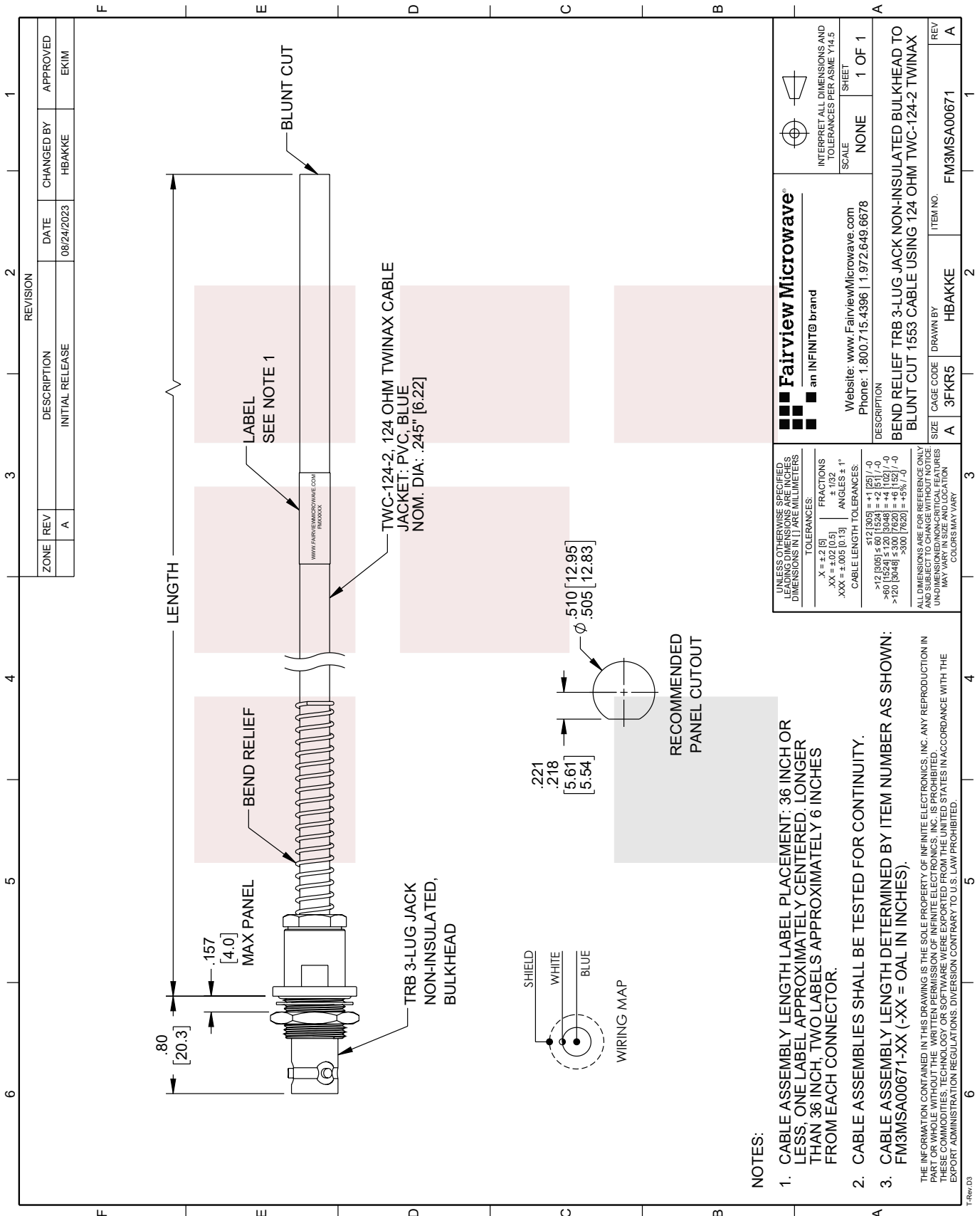
Bend Relief TRB 3-Lug Jack Non-Insulated Bulkhead to Blunt Cut 1553 Cable 12" Using 124 Ohm TWC-124-2 Twinax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection 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 12" Using 124 Ohm TWC-124-2 Twinax FM3MSA00671-12](#)

URL: <https://www.fairviewmicrowave.com/1553-trb-3-lug-jack-bulkhead-to-blunt-cut-genderless-cable-124-ohm-twc-124-2-coax-in-12-bend-relief-spring-fm3msa00671-12-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 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM NUMBER AS SHOWN: FM3MSA00671-XX (-XX = OAL IN INCHES).

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVISION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE 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 [5.1] / -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] = ±.5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS OTHERWISE SPECIFIED. DIMENSIONS MAY VARY IN SIZE AND LOCATION COLORS MAY VARY

<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SHEET</p>	
<p>Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678</p>		SCALE	NONE
DESCRIPTION		SHEET	1 OF 1
BEND RELIEF TRB 3-LUG JACK NON-INSULATED BULKHEAD TO BLUNT CUT 1553 CABLE USING 124 OHM TWC-124-2 TWINAX			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	HBAKKE	FM3MSA00671
REV			A