

## Lead Free 1553 TRB 3-Lug Jack to Blunt Cut Genderless Cable 78 Ohm FMBC-30-02001 Coax in 12 Inch

The 78 ohm TRB 3-Lug jack to Blunt cut genderless 12 inch cable using 78 ohm FMBC-30-02001 twinax, part number FM3MSA00551-12, 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 78 ohm flexible FMBC-30-02001 twinax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MSA00551-12 TRB 3-Lug jack to Blunt cut genderless cable assembly operates to 400 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		400	MHz
Capacitance		19.7 [64.63]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	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*	12 in [304.8 mm]
Weight	0.098 lbs [44.45 g]

#### Cable

Cable Type	FMBC-30-02001
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	2.42 in [61.47 mm]
------------------------------	--------------------



### Configuration:

- TRB 3-Lug Jack
- Blunt Cut Genderless
- FMBC-30-02001

### Features:

- Max Frequency 400 MHz
- PVC Jacket
- MIL-STD-1553
- -20°C to +75°C
- 78 ohms

### Applications:

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

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 Bayonet	Blunt Cut Genderless Other
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 -20 to +75 deg C

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration: **FM3MSA00551 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

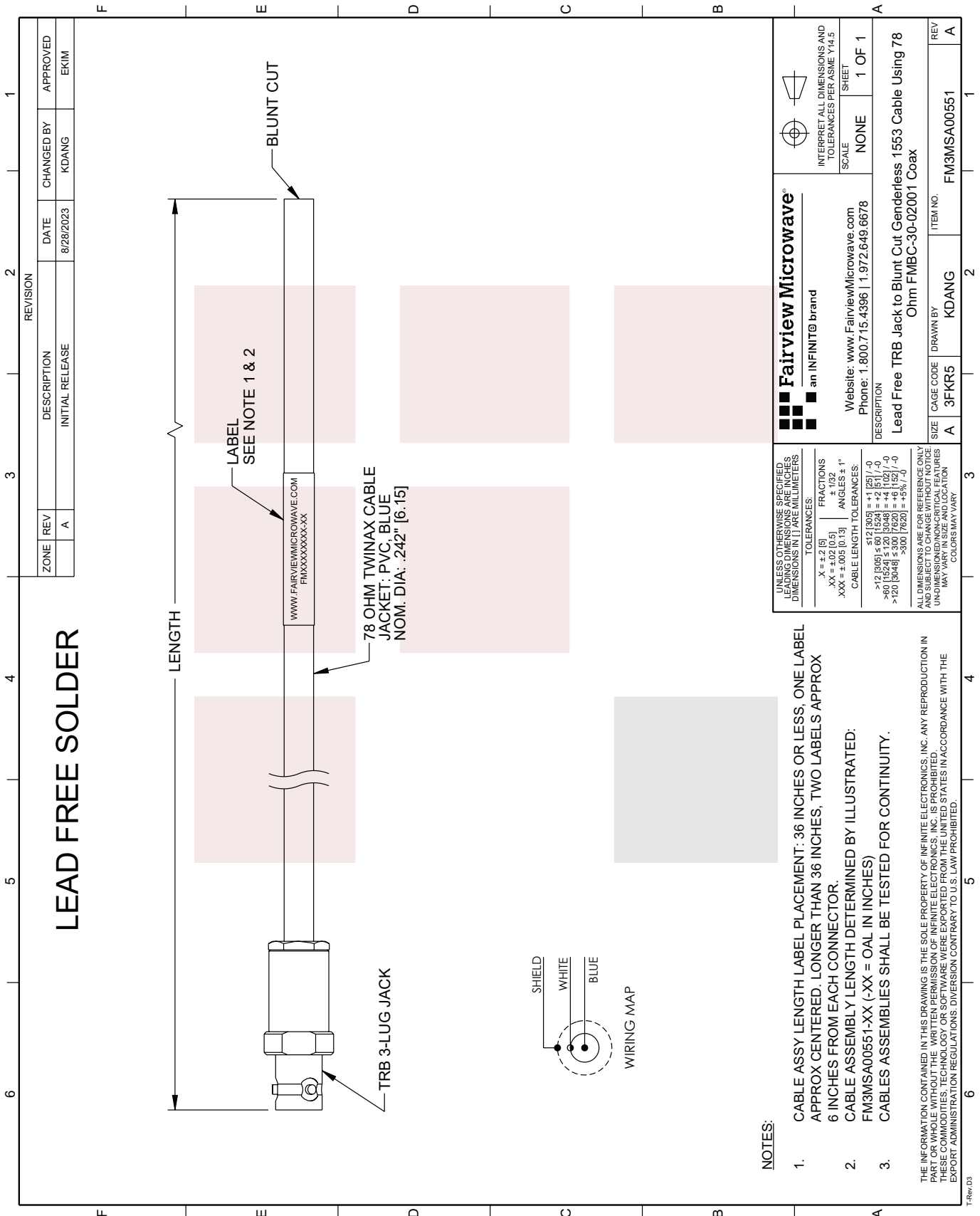
Example: FM3MSA00551-12 = 12 inches long cable  
FM3MSA00551-100cm = 100 cm long cable

Lead Free 1553 TRB 3-Lug Jack to Blunt Cut Genderless Cable 78 Ohm FMBC-30-02001 Coax in 12 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: [Lead Free 1553 TRB 3-Lug Jack to Blunt Cut Genderless Cable 78 Ohm FMBC-30-02001 Coax in 12 Inch FM3MSA00551-12](#)

URL: <https://www.fairviewmicrowave.com/lead-free-1553-trb-3-lug-jack-to-blunt-cut-genderless-cable-78-ohm-fmbc-30-02001-coax-in-12-inch-fm3msa00551-12-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.



**LEAD FREE SOLDER**

LENGTH

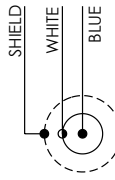
LABEL  
SEE NOTE 1 & 2

BLUNT CUT

WWW.FAIRVIEWMICROWAVE.COM  
FM3XXXXXXXX-XX

78 OHM TWINAX CABLE  
JACKET: PVC, BLUE  
NOM. DIA: .242" [6.15]

TRB 3-LUG JACK



WIRING MAP

**NOTES:**

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ILLUSTRATED: FM3MSA00551-XX (-XX = OAL IN INCHES)
3. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.	
X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	CABLE LENGTH TOLERANCES:
	.512 [305] = ±.1 [25] / -0
	.512 [305] ≤ .560 [1524] = ±.2 [51] / -0
	.560 [1524] ≤ .600 [1524] = ±.3 [76.2] / -0
	>.600 [1524] ≤ .630 [1626] = ±.6 [152] / -0
	>.630 [1626] ≤ .800 [2032] = ±.6 [152] / -0
	>.800 [2032] ≤ 3.00 [7620] = ±5% / -0
ALL DIMENSIONS ARE FOR REFERENCING ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UN-DIMENSIONED/CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	

<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p> <p>Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1</p>
<p>DESCRIPTION Lead Free TRB Jack to Blunt Cut Genderless 1553 Cable Using 78 Ohm FMBC-30-02001 Coax</p>		
SIZE: A	CAGE CODE: 3FKR5	ITEM NO.: FM3MSA00551
DRAWN BY: KDANG	REV: A	