

## TRT Threaded Plug to Blunt Cut 1553 Cable 48" Using 124 Ohm TWC-124-2 Twinax

The 78 ohm TRT Threaded plug to Blunt cut genderless 48 cable using 124 ohm TWC-124-2 twinax, part number FM3MSA00677-48, from Fairview Microwave is in-stock and ships same day. This Fairview TRT Threaded to Blunt Cut cable assembly has a plug 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 FM3MSA00677-48 TRT Threaded plug to Blunt cut genderless 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		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 0.266 lbs [120.66 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:

- TRT Threaded Plug
- 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	TRT Threaded Plug	Blunt Cut Genderless Other
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: **FM3MSA00677 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FM3MSA00677-12 = 12 inches long cable  
FM3MSA00677-100cm = 100 cm long cable

TRT Threaded Plug 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: [TRT Threaded Plug to Blunt Cut 1553 Cable 48" Using 124 Ohm TWC-124-2 Twinax FM3MSA00677-48](#)

URL: <https://www.fairviewmicrowave.com/1553-trt-threaded-plug-to-blunt-cut-genderless-cable-124-ohm-twc-124-2-coax-in-48-fm3msa00677-48-p.aspx>

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