

## TRB 3-Slot Right Angle Plug with Blunt Cut for 78 Ohm M17/176-00002, 48" Cable

The 78 ohm RA TRB 3-Slot plug to Blunt cut genderless 48 inch cable using 78 ohm M17/176-00002 twinax, part number FM3MP2042-48, from Fairview Microwave is in-stock and ships same day. This Fairview TRB 3-Slot to Blunt Cut cable assembly has a plug to genderless gender configuration with 78 ohm flexible M17/176-00002 twinax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MP2042-48 TRB 3-Slot plug to Blunt cut genderless cable assembly operates to 10 MHz. The right angle TRB 3-Slot interface on the M17/176-00002 cable allows for easier connections in tight spaces.

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

### Mechanical Specifications

#### Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.152 lbs [68.95 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]
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### Configuration:

- TRB 3-Slot Plug Right Angle
- Blunt Cut Genderless
- 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

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-Slot Plug BayonetBlunt 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 -55 to +200 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration: **FM3MP2042 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FM3MP2042-12 = 12 inches long cable  
FM3MP2042-100cm = 100 cm long cable

TRB 3-Slot Right Angle Plug with Blunt Cut for 78 Ohm M17/176-00002, 48" Cable 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: [TRB 3-Slot Right Angle Plug with Blunt Cut for 78 Ohm M17/176-00002, 48" Cable FM3MP2042-48](#)

URL: <https://www.fairviewmicrowave.com/1553-ra-trb-3-slot-plug-to-blunt-cut-genderless-cable-78-ohm-m17-176-00002-coax-in-48-inch-fm3mp2042-48-p.aspx>

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