

Bend Relief TRB Plug to Blunt Cut Genderless 1553 Cable 48 Inch Length Using 78 Ohm M17/176-00002 Coax

The 78 ohm TRB 3-Slot plug to Blunt cut genderless 48 inch cable using 78 ohm M17/176-00002 twinax, part number FM3CA2342-48, 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 FM3CA2342-48 TRB 3-Slot plug to Blunt cut genderless cable assembly operates to 10 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		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 0.122 lbs [55.34 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]



Configuration:

- TRB 3-Slot Plug
- 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
sales@fairviewmicrowave.com

Connectors

Description	Connector 1	Connector 2
Type	TRB 3-Slot Plug BayonetBlunt Cut Genderless Other	
Option	Bend Relief Spring	
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: **FM3CA2342 - xx uu**

cm = Centimeters
<blank> = Inches
Length

Example: FM3CA2342-12 = 12 inches long cable
FM3CA2342-100cm = 100 cm long cable

Bend Relief TRB Plug to Blunt Cut Genderless 1553 Cable 48 Inch Length Using 78 Ohm M17/176-00002 Coax 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 Plug to Blunt Cut Genderless 1553 Cable 48 Inch Length Using 78 Ohm M17/176-00002 Coax FM3CA2342-48](#)

URL: <https://www.fairviewmicrowave.com/1553-trb-3-slot-plug-to-blunt-cut-genderless-cable-78-ohm-m17-176-00002-coax-in-48-inch-with-bend-relief-fm3ca2342-48-p.aspx>

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