

1553 TRB 3-Slot Plug to Blunt Cut Sexless Cable 78 Ohm FMBC-30-02001 Coax in 12 Inch with LF Solder

The 78 ohm TRB 3-Slot plug to Blunt cut sexless 12 inch cable using 78 ohm FMBC-30-02001 twinax, part number FM3MSA00541-12, from Fairview Microwave is in-stock and ships same day. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MSA00541-12 TRB 3-Slot plug to Blunt cut cable assembly operates to 400 MHz. The FM3MSA00541 it's a Lead Free cable assembly consisting of a 3-slot solder/clamp TRB plug with Blunt Cut for FMBC-30-02001; that offer a lower-cost, lab-rated PVC cabling solution for laboratory implementations for MIL-STD-1553 applications. It features a larger diameter cable (0.242" O.D.)

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	0.25 lbs [113.4 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]
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Configuration:

- TRB 3-Slot Plug
- Blunt Cut
- FMBC-30-02001

Features:

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

Applications:

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

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 Bayonet	Blunt Cut 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: **FM3MSA00541 - xx uu**

cm = Centimeters
<blank> = Inches

Length

Example: FM3MSA00541-12 = 12 inches long cable
FM3MSA00541-100cm = 100 cm long cable

1553 TRB 3-Slot Plug to Blunt Cut Sexless Cable 78 Ohm FMBC-30-02001 Coax in 12 Inch with LF Solder 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: [1553 TRB 3-Slot Plug to Blunt Cut Sexless Cable 78 Ohm FMBC-30-02001 Coax in 12 Inch with LF Solder FM3MSA00541-12](#)

URL: <https://www.fairviewmicrowave.com/1553-trb-3-slot-plug-to-blunt-cut-sexless-cable-78-ohm-fmbc-30-02001-coax-in-12-inch-with-lf-solder-fm3msa00541-12-p.aspx>

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