

## LSZH 1553 TRB 2-Slot Plug to TRB 2-Slot Plug Cable 78 Ohm TWCH-78-2 Coax in 60 Inch

The 78 ohm TRB 2-Slot plug to 78 ohm TRB 2-Slot plug 60 inch cable using 78 ohm TWCH-78-2 twinax, part number FM3MSA00603-60, from Fairview Microwave is in-stock and ships same day. This Fairview TRB 2-Slot to TRB 2-Slot cable assembly has a plug to plug gender configuration with 78 ohm flexible TWCH-78-2 twinax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MSA00603-60 TRB 2-Slot plug to TRB 2-Slot plug cable assembly operates to 500 MHz. The FM3MSA00603 cable assembly consists of a 78 Ohm Low Smoke Zero Halogen TRB 2-Slot Solder/Clamp Plug to Plug for TWCH-78-2 cable (.242 O.D.) suitable for MIL-STD-1553 Applications. The zero halogen jacket cable reduces the amount of toxic and corrosive gases emitted during combustion. Typically used in poorly ventilated areas, zero halogen is very popular with military contractors and anywhere the protection of people and equipment from toxic and corrosive gases is critical.

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            |     | 21.2 [69.55] |       | pF/ft [pF/m] |
| Operating Voltage (AC) |     |              | 1,000 | Vrms         |

### Performance by Frequency

| Description           | F1   | F2    | F3    | F4    | F5  | Units |
|-----------------------|------|-------|-------|-------|-----|-------|
| Frequency             | 10   | 50    | 100   | 200   | 500 | MHz   |
| Insertion Loss (Typ.) | 0.31 | 0.455 | 0.575 | 0.725 | 1   | dB    |

#### 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* | 60 in [152.4 cm]    |
| Weight  | 0.44 lbs [199.58 g] |

#### Cable

|                                      |                      |
|--------------------------------------|----------------------|
| Cable Type                           | TWCH-78-2            |
| 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                      | HF POF, Blue         |



### Configuration:

- TRB 2-Slot Plug
- TRB 2-Slot Plug
- TWCH-78-2

### Features:

- Max Frequency 500 MHz
- HF POF Jacket
- MIL-STD-1553
- -30°C to +80°C
- 78 ohms
- Low Smoke Zero Halogen
- Non-Toxic

### Applications:

- General Purpose
- Laboratory Use
- Military Contractors
- MIL-STD-1553
- Data
- Safer Environments
- Ventilation critical areas
- Hospitals

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One Time Minimum Bend Radius 1.25 in [31.75 mm]

## Connectors

| Description                   | Connector 1                  | Connector 2                  |
|-------------------------------|------------------------------|------------------------------|
| Type                          | TRB 2-Slot Plug Bayonet      | TRB 2-Slot Plug Bayonet      |
| Impedance                     | 78 Ohms                      | 78 Ohms                      |
| Contact Material & Plating    | Bronze, Gold 30 micro inches | Bronze, Gold 30 micro inches |
| Contact Plating Spec.         | ASTM-B-488                   | ASTM-B-488                   |
| Dielectric Type               | Teflon                       | Teflon                       |
| Outer Cond Material & Plating | Phosphor Bronze, Gold        | Phosphor Bronze, Gold        |
| Outer Cond Plating Spec.      | 30 micro inches              | 30 micro inches              |
| Body Material & Plating       | Brass, Nickel                | Brass, Nickel                |
| Body Plating Spec.            | ASTM-B-733                   | ASTM-B-733                   |

## Environmental Specifications

### Temperature

Operating Range -30 to +80 deg C

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration: **FM3MSA00603 - xx uu**

Example: FM3MSA00603-12 = 12 inches long cable  
 FM3MSA00603-100cm = 100 cm long cable

cm = Centimeters  
 <blank> = Inches  
 Length

LSZH 1553 TRB 2-Slot Plug to TRB 2-Slot Plug Cable 78 Ohm TWCH-78-2 Coax in 60 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: [LSZH 1553 TRB 2-Slot Plug to TRB 2-Slot Plug Cable 78 Ohm TWCH-78-2 Coax in 60 Inch FM3MSA00603-60](#)

URL: <https://www.fairviewmicrowave.com/lszh-1553-trb-2-slot-plug-to-trb-2-slot-plug-cable-78-ohm-twch-78-2-coax-in-60-inch-fm3msa00603-60-p.aspx>

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