Fairview Microwave
an INFINITE brand

FM3MSA00456-24
DATA SHEET

1553 TRB 3-Slot Plug to TRS Subminiature Plug Cable 78 Ohm M17/176-00002 Coax in 24 Inch

The 78 ohm TRB 3-Slot plug to 78 ohm TRS Subminiature plug 24 inch cable using 78 ohm M17/176-00002 twinax, part number FM3MSA00456-24, from Fairview Microwave is in-stock and ships same day. This Fairview TRB 3-Slot to TRS Subminiature cable assembly has a plug to plug 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 FM3MSA00456-24 TRB 3-Slot plug to TRS Subminiature plug 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

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	3	5	7	10	MHz
Insertion Loss (Typ.)	0.228	0.242	0.256	0.27	0.29	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*	24 in [609.6 mm]
Weight	0.253 lbs [114.76 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
- TRS Subminiature Plug
- 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

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Connectors

Description	Connector 1	Connector 2
Type	TRB 3-Slot Plug Bayonet	TRS Subminiature 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 -55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FM3MSA00456 - xx uu**

uu: cm = Centimeters; <blank> = Inches

xx: Length

Example: FM3MSA00456-12 = 12 inches long cable
FM3MSA00456-100cm = 100 cm long cable

1553 TRB 3-Slot Plug to TRS Subminiature Plug Cable 78 Ohm M17/176-00002 Coax in 24 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: 1553 TRB 3-Slot Plug to TRS Subminiature Plug Cable 78 Ohm M17/176-00002 Coax in 24 Inch FM3MSA00456-24

URL: https://www.fairviewmicrowave.com/1553-trb-3-slot-plug-to-trs-subminiature-plug-cable-78-ohm-m17-176-00002-coax-in-24-inch-fm3msa00456-24-p.aspx

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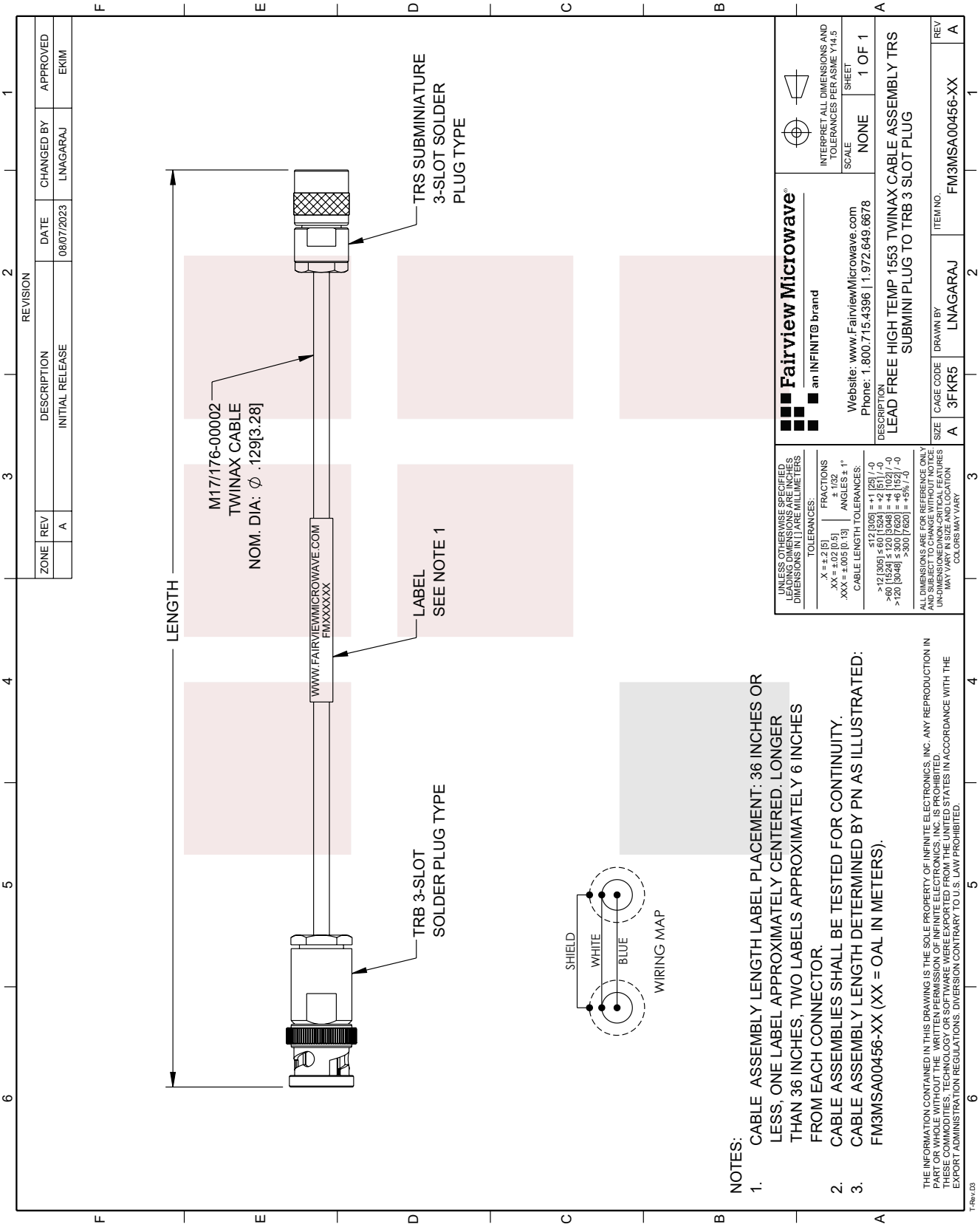

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