

100 Ohm 3-Slot TRB Solder/Clamp Plug to Plug for 0024A0024-9X Cable

The 100 ohm TRB 3-Slot plug to 100 ohm TRB 3-Slot plug cable using 100 ohm 0024A0024-9X twinax, part number FM3MP5771, from Fairview Microwave is in-stock and ships same day. This Fairview TRB 3-Slot to TRB 3-Slot cable assembly has a plug to plug gender configuration with 100 ohm flexible 0024A0024-9X twinax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MP5771 TRB 3-Slot plug to TRB 3-Slot plug cable assembly operates to 400 MHz. The FM3MP5771 cable assembly consists of a 100 Ohm 3-Slot TRB Solder/Clamp Plug to 3-Slot TRB Solder/Clamp Plug for 0024A0024-9X Shielded Twisted Pair cable, that is suitable for high temperature applications.

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		13.5 [44.29]		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	400	MHz
Insertion Loss (Typ.)	0.012	0.028	0.041	0.064	0.102	dB/ft
	0.04	0.09	0.13	0.21	0.33	dB/m

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* 0 in [0 mm]
 Weight 0.25 lbs [113.4 g]

Cable

Cable Type 0024A0024-9X
 Impedance 100 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type Rayfoam H
 Shield Layer 1 Silver Plated Copper
 Jacket Material Modified FEP, White

One Time Minimum Bend Radius 1.788 in [45.42 mm]



Configuration:

- TRB 3-Slot Plug
- TRB 3-Slot Plug
- 0024A0024-9X

Features:

- Max Frequency 400 MHz
- Modified FEP Jacket
- MIL-STD-1553
- -65°C to +200°C
- 100 ohms

Applications:

- General Purpose
- Laboratory Use
- High Temperature
- MIL-STD-1553
- Data

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Connectors

Description	Connector 1	Connector 2
Type	TRB 3-Slot Plug Bayonet	TRB 3-Slot Plug Bayonet
Impedance	100 Ohms	100 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 -65 to +200 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FM3MP5771 - xx uu**

cm = Centimeters
<blank> = Inches

Length

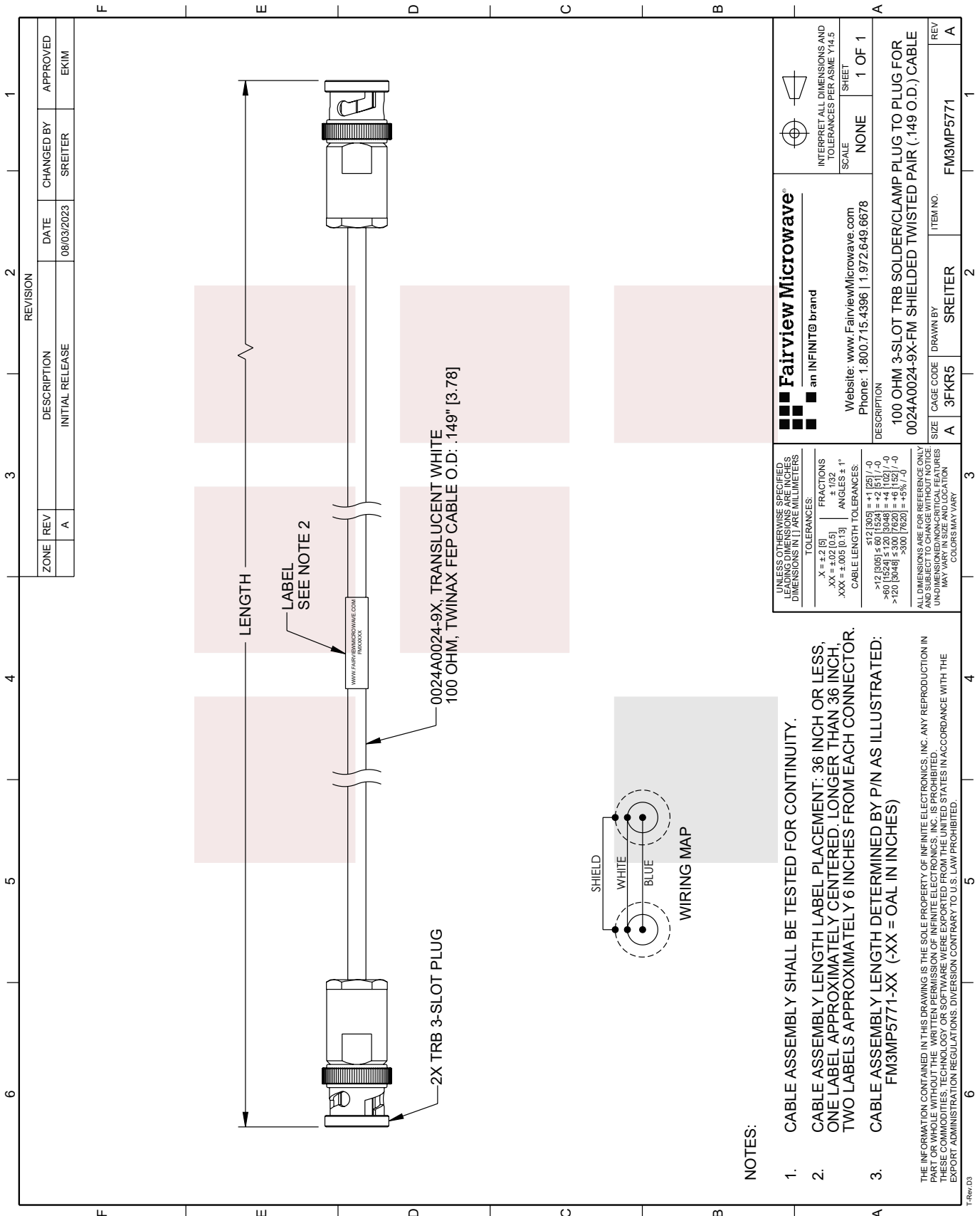
Example: FM3MP5771-12 = 12 inches long cable
FM3MP5771-100cm = 100 cm long cable

100 Ohm 3-Slot TRB Solder/Clamp Plug to Plug for 0024A0024-9X 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: [100 Ohm 3-Slot TRB Solder/Clamp Plug to Plug for 0024A0024-9X Shielded Twisted Pair \(.149 O.D.\) Cable FM3MP5771](#)

URL: <https://www.fairviewmicrowave.com/1553-trb-plug-to-trb-plug-cable-100-ohm-0024a0024-9x-coax-fm3mp5771-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



NOTES:

1. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
2. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
3. CABLE ASSEMBLY LENGTH DETERMINED BY P/N AS ILLUSTRATED: FM3MP5771-XX (-XX = OAL IN INCHES)

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.	
TOLERANCES:	FRACTIONS
.X = ±.2 [5]	±.132
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	
CABLE LENGTH TOLERANCES:	
≤12 [305]	±.1 [25] / -0
>12 [305] ≤ 60 [1524]	±.2 [5] / -0
>60 [1524] ≤ 120 [3048]	±.3 [7.62] / -0
>120 [3048] ≤ 300 [7620]	±.6 [152] / -0
>300 [7620]	±.5% / -0

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<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>	<p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION: 100 OHM 3-SLOT TRB SOLDER/CLAMP PLUG TO PLUG FOR 0024A0024-9X-FM SHIELDED TWISTED PAIR (.149 O.D.) CABLE</p>	
<p>SIZE: A</p> <p>CAGE CODE: 3FKR5</p> <p>DRAWN BY: SREITER</p> <p>ITEM NO.: FM3MP5771</p>	<p>REV: A</p>

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