ORMMAC
625 HIGH-DENSITY SERIES
(PATCHING, SPLICING, OR PATCH & SPLICE)

RECOMMENDED INSTALLATION PROCEDURES

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1.   GENERAL

1.1   This document explains the installation procedure of the Ortronics Multimedia Access Cabinet (ORMMAC) manufactured by Ortronics, Inc. in the U.S.A.

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2.   TOOLS & EQUIPMENT

2.1   To complete the installation you will need the following:

Phillips Screw Driver
Flat Head Screw Driver
Utility Knife

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3.   COMPONENTS AND ACCESSORIES

3.1   Components :

3.1.1 Patching

1	1 3/4" Cabinet	1	Designation label
1	Prepunched loaded drawer face	4	12-24 x 1/2" Mounting screws
2	19" Rack mount brackets	1	Adhesive Fiber ring
1	Caution label	2	1" x 1" tie wrap blocks
1	Danger label	6	7" Tie wraps

3.1.2 Splicing

1	1 3/4" Cabinet	1	Designation label
1	Blank drawer face	4	12-24 x 1/2" Mounting screws
2	19" Rack mount brackets	1	Adhesive Fiber ring
1	Caution label	8	Velcro hook & loop dots
1	Danger label	2	1" x 1" tie wrap blocks
		6	7" Tie wraps

3.1.3 Patching & Splicing

1	1 3/4" Cabinet	2	Designation label
1	Prepunched loaded drawer face	4	12-24 x 1/2" Mounting screws
2	19" Rack mount brackets	1	Adhesive Fiber ring
1	Caution label	8	Velcro hook & loop dots
1	Danger label	2	1" x 1" tie wrap blocks
		6	7" Tie wraps

3.2 Accessories:

23" Rack mount brackets
12" Mechanical splice tray
12" Fusion splice tray

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4. PLANNING

4.1 GENERAL NOTE: Each installation should be reviewed for cable routing, cabinet mounting, and jumper installation to ensure minimum installation time without error. The following installation guidelines, tailored to your specific site applications, will help to accomplish this task.

4.2 Decide on the cable entrance and exit.

4.3 Leave enough excess of fiber to allow for routing inside the cabinet.
NOTE: Ortronics suggests a minimum of 1 meter of fiber for patching and 1 meter of fiber before and after a splice tray.

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5. CABINET PREPARATION

5.1 Attach the mounting brackets to both sides of the cabinet with the four mounting screws

provided. Refer to Figure 5.1

Figure 5.1

5.2   Remove the four screws shown in Figure 5.2 . Remove top of cabinet shell to expose
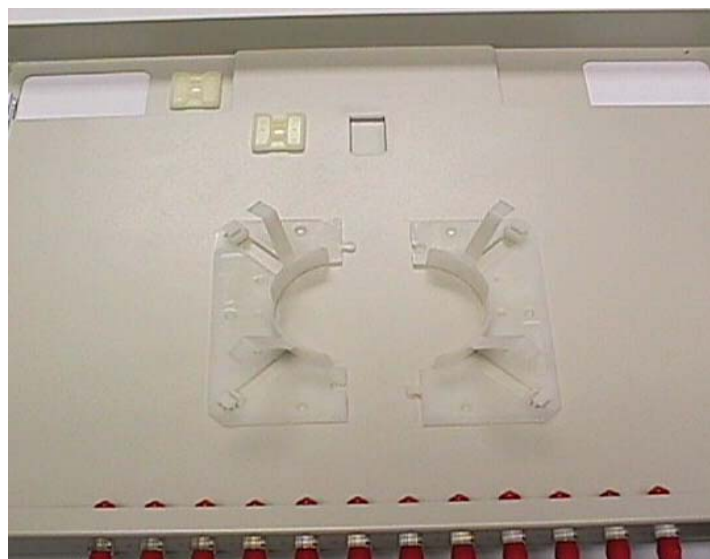inner cabinet.

Figure 5.2

5.3   PATCHING
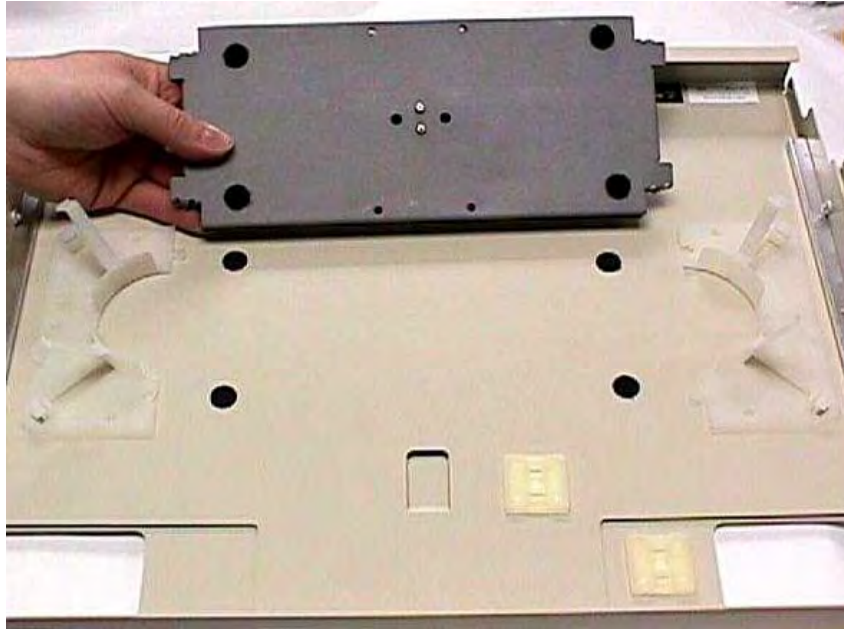
5.3.1   Apply adhesive fiber ring as shown in Figure 5.3

5.3.2   Apply adhesive tie wrap blocks as shown in Figure 5.3

Figure 5.3

5.4   PATCHING & SPLICING   or SPLICING

    5.4.1   Apply adhesive fiber ring as shown in Figure 5.4

    5.4.2   Apply adhesive tie wrap blocks as shown in Figure 5.4

    5.4.3   Apply adhesive velcro dots to bottom of the splice tray and drawer
        as shown in Figure 5.4

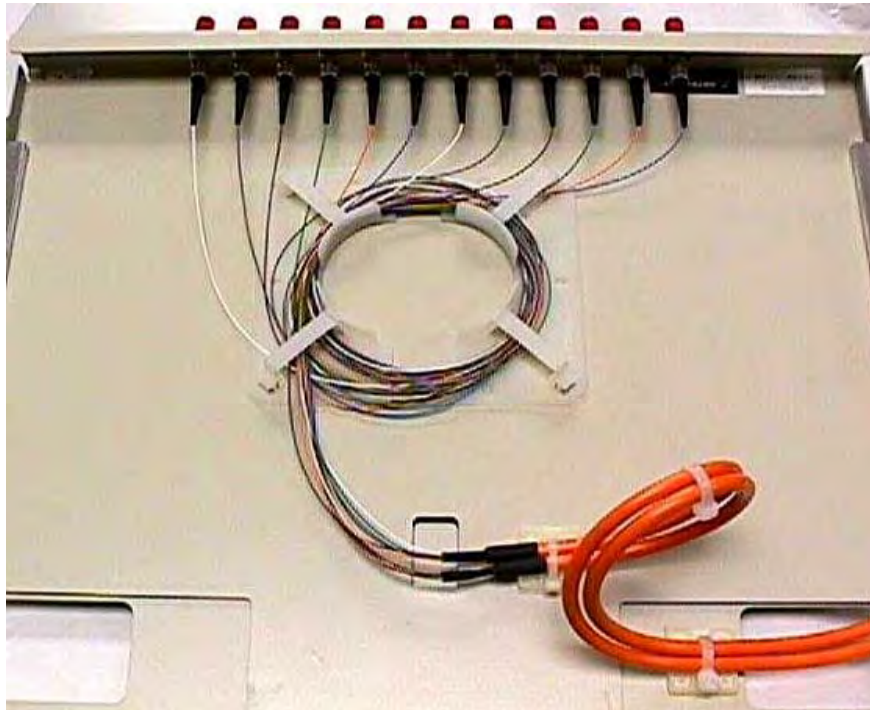**Figure 5.4**

6.   CABLE ROUTING AND INSTALLATION

6.1   FIBER PATCHING

    6.1.1   Strip the jacket back approximately 1 meter.

    6.1.2   Cut the central strength member and/or kevlar at the end of the jacket.

    6.1.3   Terminate connectors per manufacturer's instructions.

    6.1.4   Secure the jacketed fiber to the tie wrap holdown block located on cabinet with a
        tie wrap.

    6.1.5   Loop the jacketed fiber and secure to the tie wrap holdown block located on drawer
        with a tie wrap as shown in Figure 6.1.

    6.1.6   Route the cable through the ring. Refer to Figure 6.1

6.1.7   Insert terminated fiber into couplers in drawer.

6.1.8   Replace upper portion of cabinet and secure with screws provided.

Figure 6.1

6.2   FIBER SPLICING

6.2.1   Strip the jacket back approximately 1 meter on both incoming cables.

6.2.2   Cut the central strength member and/or kevlar at the end of each jacket.

6.2.3   Complete splicing per manufacturer's instructions on tray.

6.2.4   Mount splice trays to the drawer with the velcro dots.
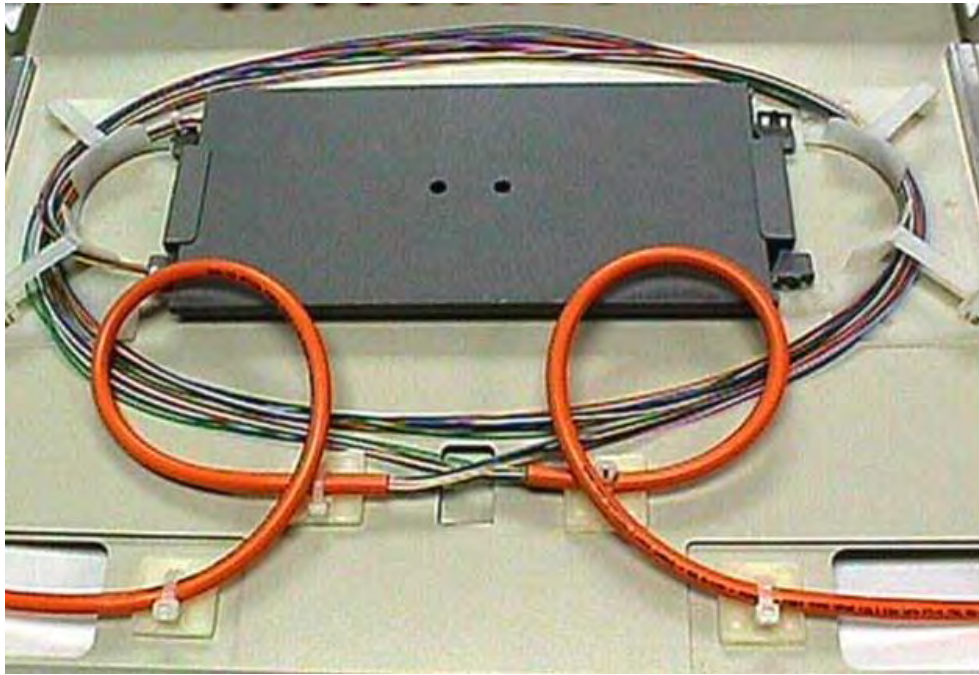
6.2.5   Route the cable through the ring. Refer to Figure 6.2.

6.2.6   Secure the jacketed fiber to the tie wrap holdown block located on cabinet with a tie wrap.

6.2.7   Loop the jacketed fiber and secure to the tie wrap holdown block located on drawer with a tie wrap as shown in Figure 6.2.

6.2.8   Repeat steps 6.2.5 through 6.2.7 for other incoming side of splice tray.

6.2.9   Replace upper portion of cabinet and secure with screws provided

Figure 6.2

6.3 FIBER PATCHING & SPLICING

6.3.1 Strip the jacket back approximately 1 meter.

6.3.2 Cut the central strength member and/or kevlar at the end of the jacket.

6.3.3 Terminate connectors per manufacturer's instructions.

6.3.4 Route 1 meter of the cable through the ring.

6.3.5 Strip the jacket back approximately 1 meter on incoming cable.

6.3.6 Cut the central strength member and/or kevlar at the end of jacket.

6.3.7 Complete splicing per manufacturer's instructions on tray.

6.3.8 Mount splice trays to the drawer with the velcro dots.

6.3.9 Route the cable through the ring. Refer to Figure 6.3

6.3.10 Secure the jacketed fiber to the tie wrap holdown block located on cabinet with a tie wrap.

6.3.11 Loop the jacketed fiber and secure to the tie wrap holdown block located on drawer with a tie wrap as shown in Figure 6.3.

6.3.12 Replace upper portion of cabinet and secure with screws provided
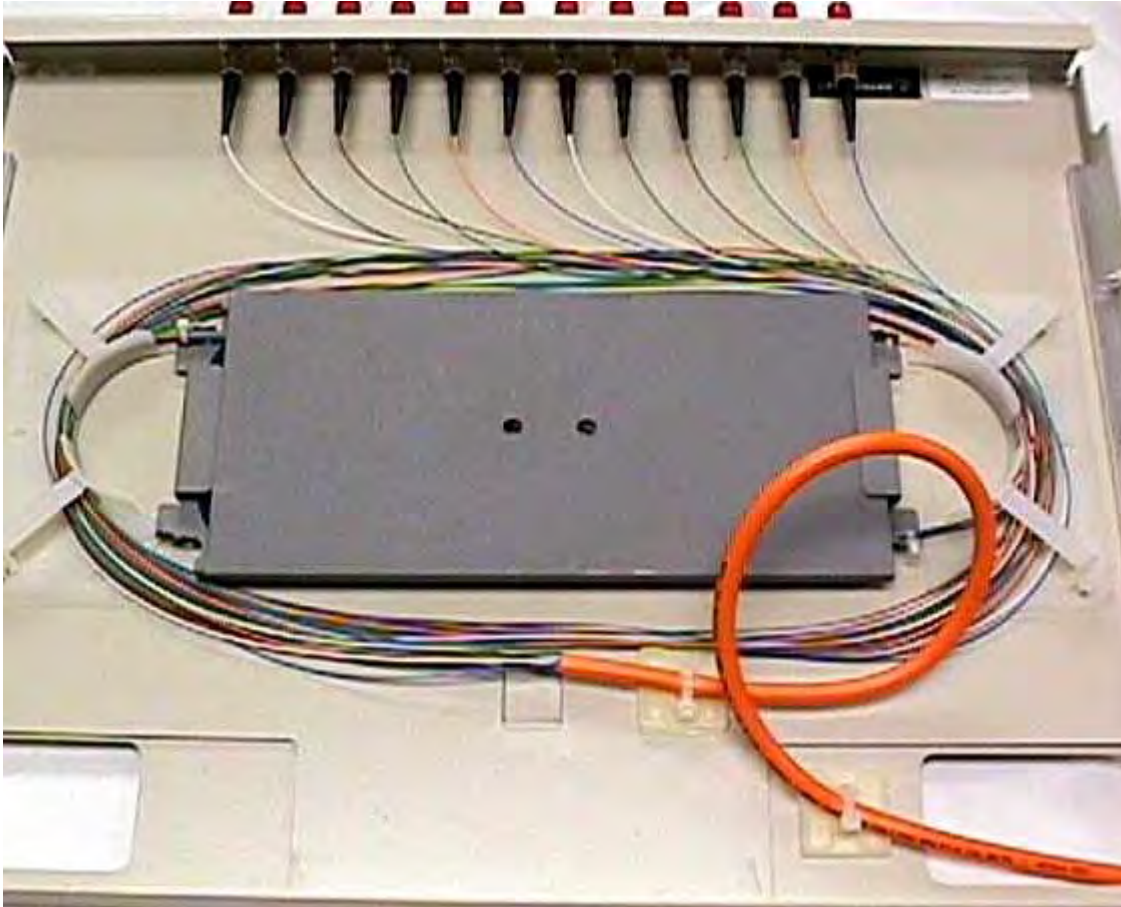
Figure 6.3

For questions or additional information, contact Engineering Support at (860) 599-5555 or your manufacturer's representative.