

| 1 × 6 (1 Row With 6 Ports) CASSETTE ASSEMBLY | | 2 × 6 (2 Rows With 6 Ports) CASSETTE ASSEMBLY | |
|--|-----------|---|-----------|
| Unshielded | Shielded | Unshielded | Shielded |
| 1479452-1 | 1777086-1 | 1479459-1 | 1777082-1 |

Figure 1

1. INTRODUCTION

MRJ21™ cassette assemblies listed in Figure 1 are designed to be installed into Patch Panel 1479451-1. Back Cable Manager Kits 1933352-[] (shown in Figure 1) can be used to support the trunk cable. The patch panel and cable manager kit are designed to be mounted onto a standard 483-mm [19-in.] Electronic Industries Alliance (EIA) rack or equipment cabinet. Read these instructions thoroughly before starting installation.

Reasons for reissue of this instruction sheet are provided in Section 5, REVISION SUMMARY.

NOTE All numerical values in this instruction sheet are in metric units [with U.S. customary units in brackets]. Dimensions are in millimeters [and inches]. Figures are not drawn to scale.

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2. DESCRIPTION

The front of each cassette assembly features two plungers used to secure the assembly to the patch panel and a chamfered corner that indicates Port 1. The shielded cassette also has a 1/4-turn fastener used for bonding. The back of each cassette assembly features an MRJ21 receptacle that accepts the connector of the trunk cable. See Figure 1.

3. INSTALLATION

Using the mounting screws, mount the patch panel and cable manager kit onto the rack, then proceed as follows:

NOTE For installation procedure for the patch panel, refer to Figure 1; for the cable manager kit, refer to Instruction Sheet 408-10170.

1. Pull the plungers of the cassette away from the face of the cassette.
2. Facing the front of the patch panel, align the cassette with an opening in the patch panel so that the chamfered corner is on the left (as shown in Figure 1). This orientation is recommended so that Port 1 of all cassettes are located at the same position.

Note that for the shielded cassette, the 1/4-turn fastener must align with the hole above the mounting holes in the patch panel.

3. Slide the cassette into the opening of the patch panel then push the plungers into the holes in the patch panel. An audible click indicates that the plungers are fully seated. For the shielded cassette, using a small cross-recessed tipped screwdriver, turn the 1/4-turn fastener clockwise to the locked position.

4. Plug the connector of the trunk cable into the receptacle (at the back) of the cassette. Refer to Figure 2. Make sure to align the keying features of the connector and receptacle. Ensure that the connector is fully seated, then using a small cross-recessed tipped screwdriver, turn the jack screws of the receptacle clockwise and tighten to a maximum torque of 0.23 Nm [2 lbf-in.].



To avoid damage to the receptacle, DO NOT over-tighten the jack screws. DO NOT use an automatic screwdriver.

5. Using cable ties or similar fasteners, attach the trunk cable to the tie-down bar. It is recommended to maintain a minimum bend radius of 50.8 mm [2 in.] when securing and routing cables. See Figure 2.

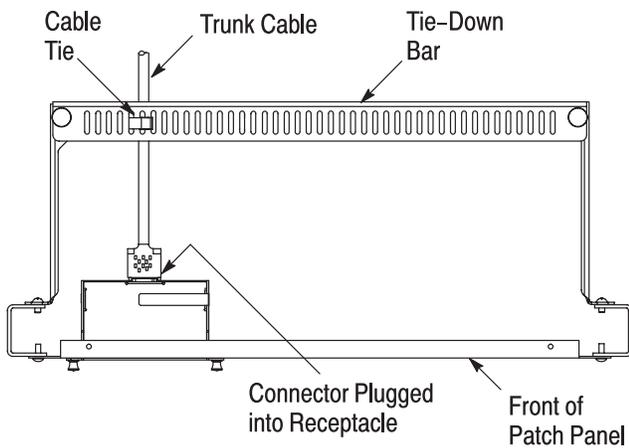
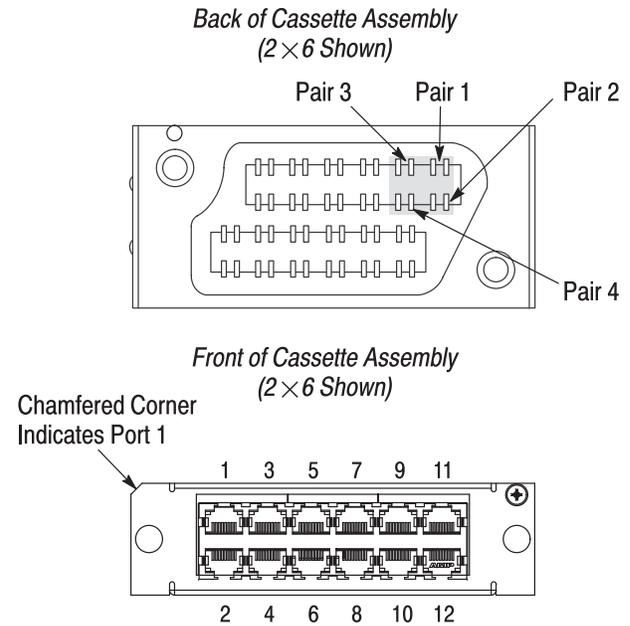


Figure 2

4. TROUBLESHOOTING

For port-to-cable pair cross-reference, refer to Figure 3. Port numbers are based on the orientation of the cassette assembly.



| PORT OF CASSETTE ASSEMBLY | | CABLE PAIRS |
|---------------------------|-----|-------------|
| 1x6 | 2x6 | |
| 1 | 1 | 1 and 2 |
| | 2 | 3 and 4 |
| 2 | 3 | 5 and 6 |
| | 4 | 7 and 8 |
| 3 | 5 | 9 and 10 |
| | 6 | 11 and 12 |
| 4 | 7 | 13 and 14 |
| | 8 | 15 and 16 |
| 5 | 9 | 17 and 18 |
| | 10 | 19 and 20 |
| 6 | 11 | 21 and 22 |
| | 12 | 23 and 24 |

Figure 3

5. REVISION SUMMARY

Revisions to this instruction sheet include:

- Corrected part numbers for shielded cassette assemblies
- Rebranded to **CommScope**