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COMMSCOPE 408-8417 SL Modular Jacks

COMMSCOPE 408-8417 SL Modular Jacks Instruction Manual

Contents

COMMSCOPE®

CommScope 408-8417 SL Modular Jacks

Product Information

Specifications

- **Product Name:** Modular Jacks
- **Series:** SL, Secure SL, E, KJ, and M Series
- **Cable Standard:** Categories 5e, 6 for SL Series; Categories 6 for Secure SL Series; Categories 5e, 6 for E, KJ, and M Series
- **Conductor Compatibility:** 4-pair twisted-pair cable with solid conductor sizes 24 through 22 AWG or stranded conductor sizes 26 through 24 AWG
- **Maximum Conductor Insulation Diameter:** 1.45 mm (.057 in.)

Product Usage Instructions

Termination

1. Slide strain relief over the cable jacket.
2. Strip only as much of the cable jacket as necessary for termination.
3. For termination using the SL series modular jack tool kit, a strip length of 35 mm (1.378 in.) is recommended.

Using SL Series Modular Jack Tool Kit
Refer to the provided instruction sheet 408-8858 for detailed information on the termination procedure using the SL series modular jack tool kit.

Installing Strain Relief
For enclosures with limited space, the modular jack can handle cable bends up to 90 degrees. Use the side entry strain relief 760258223 for such cases.

FAQ

- **Q: What cable sizes are compatible with the modular jacks?**

  A: The modular jacks accept 4-pair twisted-pair cables with solid conductor sizes 24 through 22 AWG or stranded conductor sizes 26 through 24 AWG.

- **Q: How do I terminate the cable using the SL series modular jack tool kit?**

  A: Refer to the provided instruction sheet and follow the general termination procedure outlined for proper termination using the SL series modular jack tool kit.
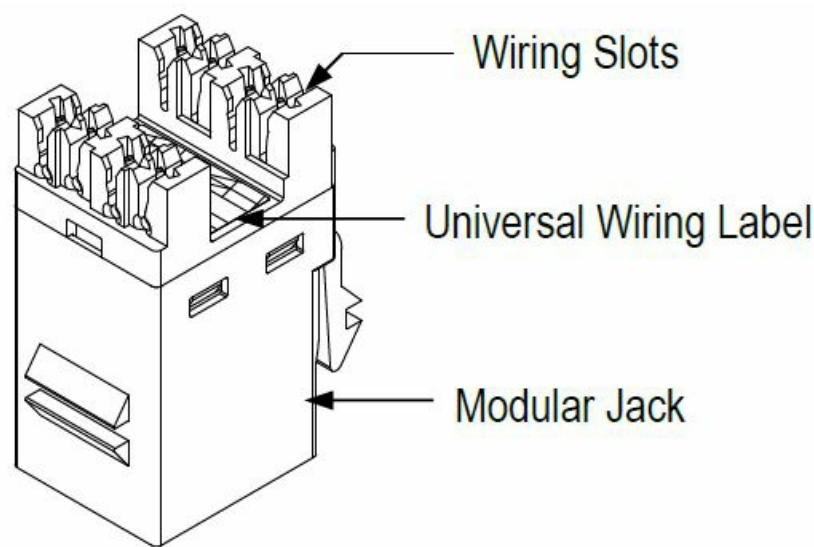
Overview

Figure 1

MODULAR JACK	CABLE STANDARD
SL Series	Categories 5e, 6
Secure SL Series	Categories 6
E, KJ, and M Series	Categories 5e, 6

INTRODUCTION

This instruction sheet provides the termination procedure for the modular jacks given in Figure 1. To obtain information on products, contact your local CommScope® account representative, PartnerPROTM Network Partner, or visit our website at **www.commscope.com**.

NOTE
Dimensions in this instruction sheet are in metric units [with U.S. customary units in brackets]. Figures are not drawn to scale.

Reasons for reissue of this instruction sheet are provided in Section 7, REVISION SUMMARY.

DESCRIPTION

Each modular jack accepts 4-pair, twisted-pair cable with solid conductor sizes 24 through 22 AWG or stranded conductor sizes 26 through 24 AWG with a maximum conductor insulation diameter of 1.45 mm [.057 in.]. The modular jack features a universal wiring label used to aid in proper wire color coding and a wiring block that terminates the wire. See Figure 1. Space-limiting strain reliefs are available separately.

TERMINATION

1. Slide strain relief over cable jacket. Refer to Figure 2.

2. Strip only as much of the cable jacket as necessary to perform the termination.

NOTE
Generally, a strip length of 35 mm [1.378 in.] when using SL series modular jack tool kit 1725150-6 for termination will suffice.
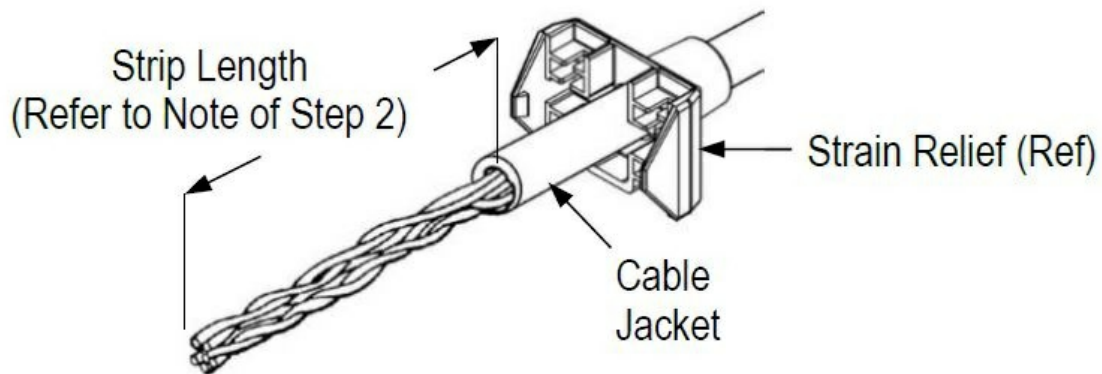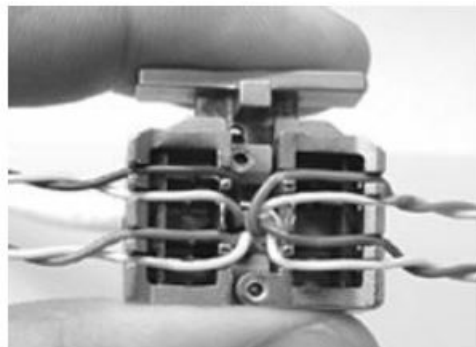
**Note:** Not to Scale

Figure 2

Using SL Series Modular Jack Tool Kit.
Figure 3 shows a general termination procedure when using the SL series modular jack tool kit. For detailed information, refer to instruction sheet 408-8858.
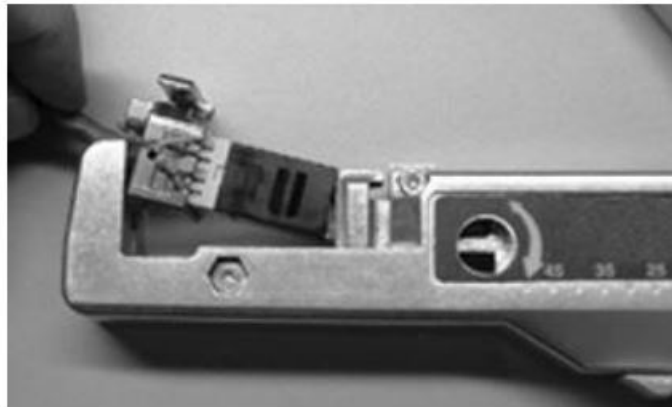
1. Close the lacing fixture around the cable, then lace wires according to the wiring label maintaining twisted ends as shown.

2. Firmly press the modular jack into the lacing fixture, aligning the color-coded wires.
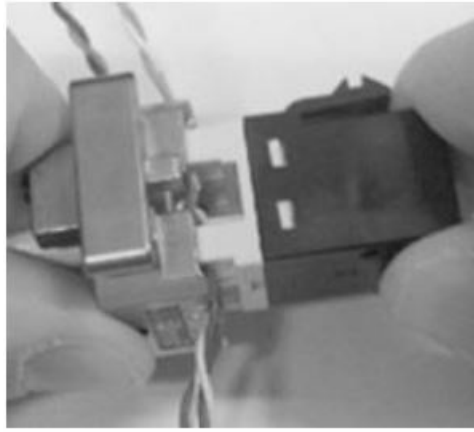
3. Insert the lacing fixture (with modular jack) into the tool as shown Ensure the modular jack is aligned properly before compressing the tool handle.

4. Compress the tool handle and remove trimmed wires while the handle is closed.
5. Remove the modular jack by moving it back and forth.

INSTALLING STRAIN RELIEF

When installed in enclosures where space is limited the modular jack is capable of performing with cable bend up to 90 degrees as seen in Figure 4. For these cases, the side entry strain relief 760258223 as seen in Figure 5 should be used.
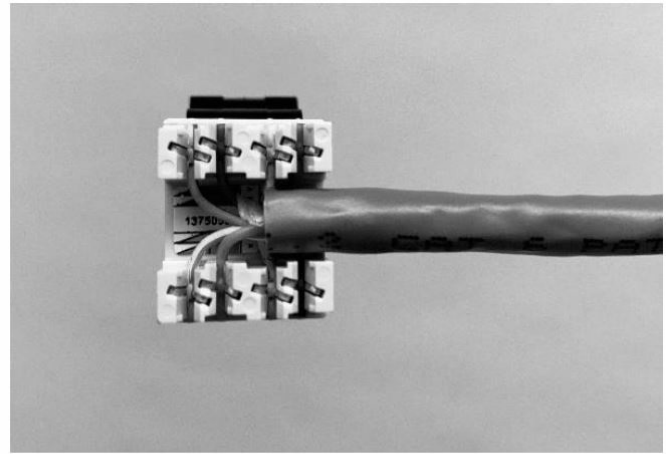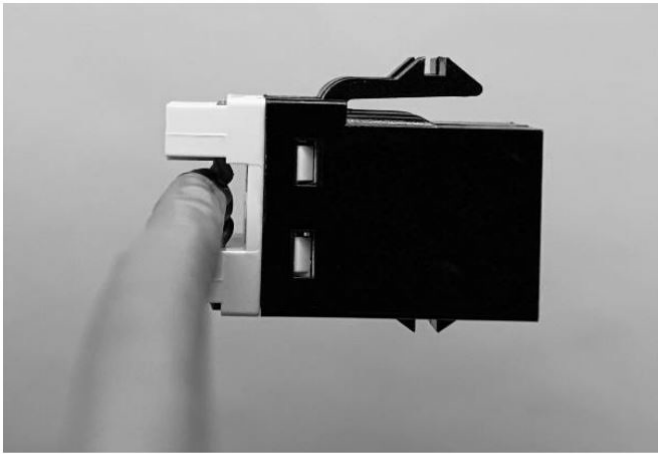
Figure 4

After terminating. Slide the strain relief onto the modular jack until the latches of the strain relief engage of the modular jack as shown in Figure 5.
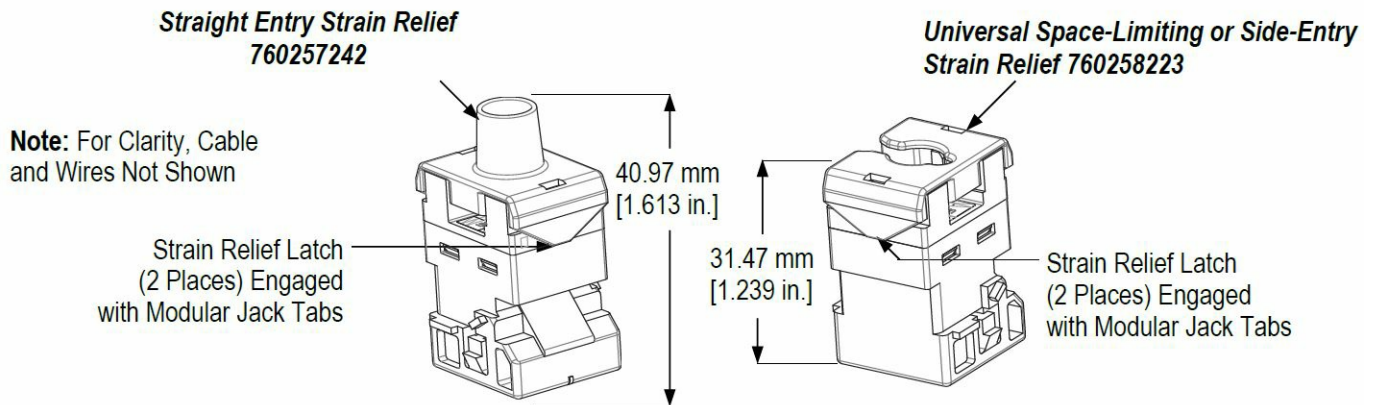

Figure 5

M-SERIES JACK REMOVAL FROM PANEL OR FACEPLATE

To remove the jack from the panel, insert the jack removal tool to depress the jack latches from the bezel, as shown in Figure 6.
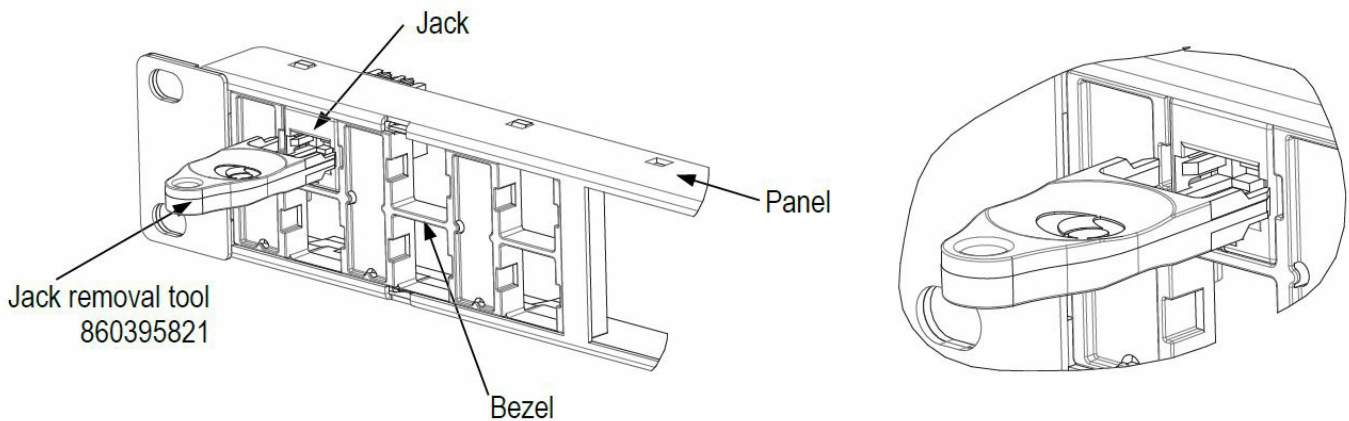

Figure 6

REPLACEMENT

Do not use damaged or defective products. These modular jacks are not repairable.
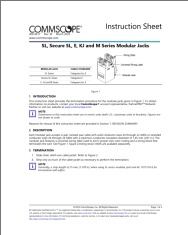
REVISION SUMMARY

Revisions to this instruction sheet include:

- Added M-Series Modular Jack
- Added section 5, "M-SERIES JACK REMOVAL FROM PANEL OR FACEPLATE"
- Removed strain relief reference to optional usage.
- Corrected the strain Relief cap MIDs and removed section 3.3

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Documents / Resources

COMMSCOPE 408-8417 SL Modular Jacks [pdf] Instruction Manual
408-8417 SL Modular Jacks, 408-8417 SL, Modular Jacks, Jacks

References

- **CommScope | now meets next**
- **CommScope | now meets next**
- **Product Patent**
- **Product Patent**
- **User Manual**