HGS620 Shielded Outlet Termination Instructions

General

These instructions provide the recommended termination procedure for **SYSTIMAX**® **GigaSPEED**® **X10D** HGS620 shielded outlets on F/UTP and S/FTP cables. The outlets are **UL** approved.

Refer to the **SYSTIMAX GigaSPEED X10D** High Density Shielded Solutions Design and Installation Guidelines for further information.

The **SYSTIMAX** seating tool (760152876) is required for outlet termination.

Ordering information is listed below:

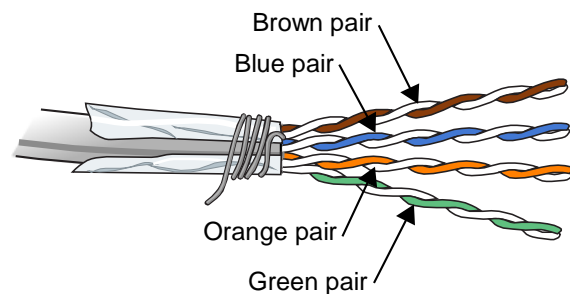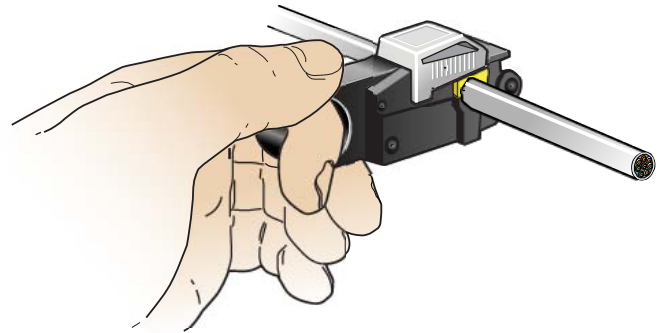| Material ID	Part No.	Description
760152801	HGS620	HGS620 **GigaSPEED X10D** shielded outlet
760152819	HGS620-BULK100	HGS620 **GigaSPEED X10D** shielded outlet (100 pack)

How to Contact Us

- To find out more about **CommScope**® products, visit us on the web at http://www.commscope.com/

- For technical assistance:

    - Within the United States, contact your local account representative or technical support at 1-800-344-0223. Outside the United States, contact your local account representative or Authorized Business Partner.

    - Within the United States, report any missing/damaged parts or any other issues to CommScope Customer Claims at 1-866-539-2795. Outside the United States, contact your local account representative or Authorized Business Partner.

Tools Required

- Cable jacket scoring tool (such as **Xcelite**® 2CSKY or **JOKARI**® No.1-Cat)
- Scissors
- Side cutters
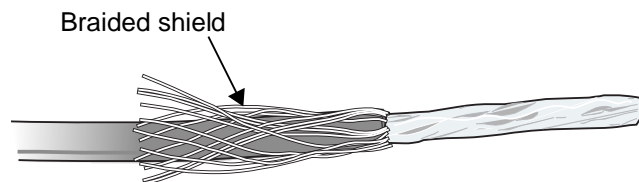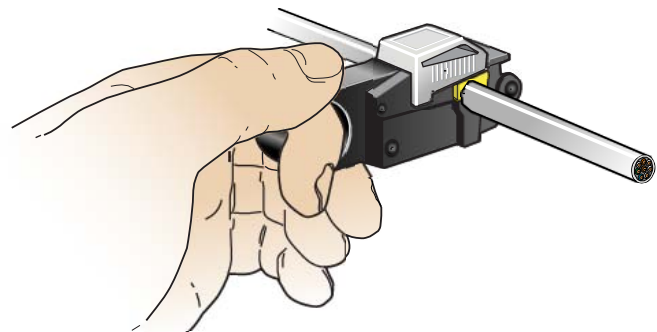- **SYSTIMAX** seating tool.

Preparation of F/UTP Cable for Termination

1. Score cable jacket using a precision jacket scoring tool that has fine adjustment settings, such as the **Xcelite** 2CSKY (shown) or **JOKARI** No.1-Cat.

2. Fold foil and drain wire back over cable jacket.

3. Trim off clear cellophane wrapping.

4. Separate the pairs, cut the flute flush with end of jacket and restore pairs to their original positions.

5. Ensure that foil is pressed tight over the jacket and then wrap drain wire around foil close to end of cable. **Do not overlap drain wire when wrapping.**

Brown pair
Blue pair
Orange pair
Green pair

6. Arrange pairs in the order below:
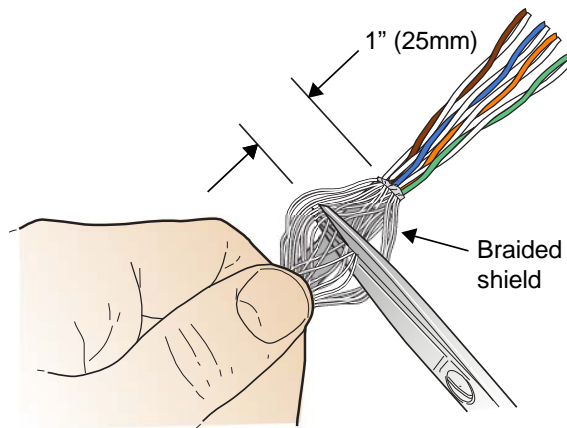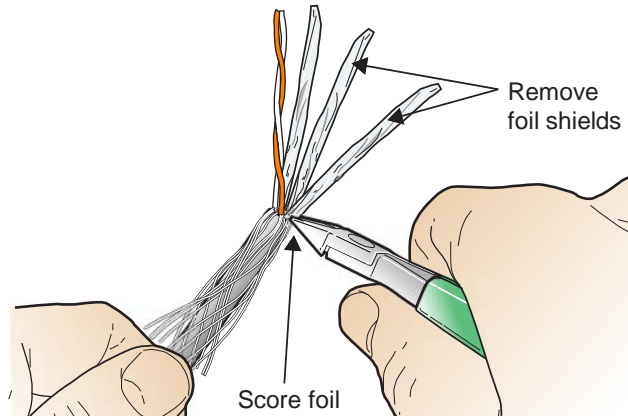   - Brown
   - Blue
   - Orange
   - Green

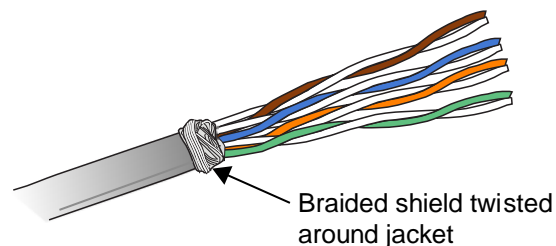## Preparation of S/FTP Cable for Termination

1. Score cable jacket using a precision jacket scoring tool that has fine adjustment settings, such as the **Xcelite** 2CSKY (shown) or **JOKARI** No.1-Cat.

2. Push braided shield straight back and fold it over cable jacket.

Braided shield

3. Remove the foil shields from each pair. Foil shields may be removed by nicking each one with side cutters (shown) or scoring with a suitable stripping tool. **Ensure that conductor insulation is not damaged.**

4. Arrange pairs in the order below:
    - Brown
    - Blue
    - Orange
    - Green

Remove foil shields

Score foil

5. Using scissors, trim braided shield back to approximately 1" (25mm) from end of jacket.

1" (25mm)

Braided shield

6. Twist braided shield around jacket close to end.
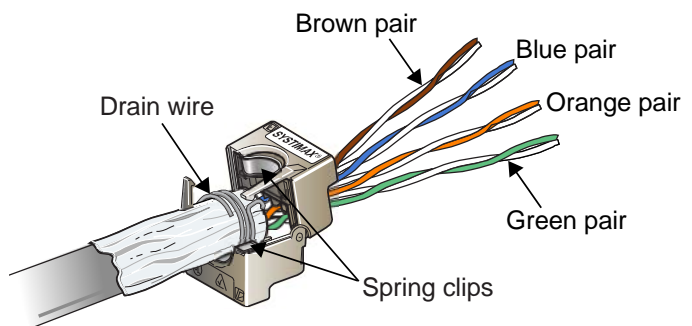
Braided shield twisted around jacket

Insert Cable into Termination Manager (F/UTP or S/FTP Type)

1. Insert cable end completely into opened termination manager with pair colors oriented to the labels on the termination manager.

    Important: Ensure drain wire on F/UTP cable or braided shield on S/FTP cable will engage the spring clips in termination manager.
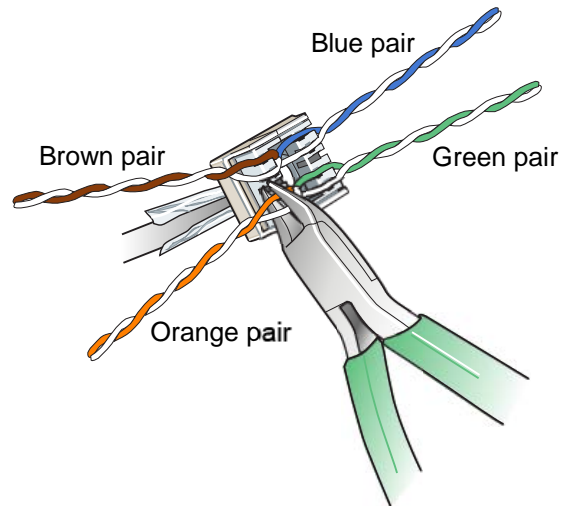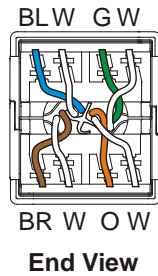
2. Close termination manager until latches engage and a click is heard.

    Note: F/UTP cable shown.

Brown pair

Blue pair

Drain wire

Orange pair

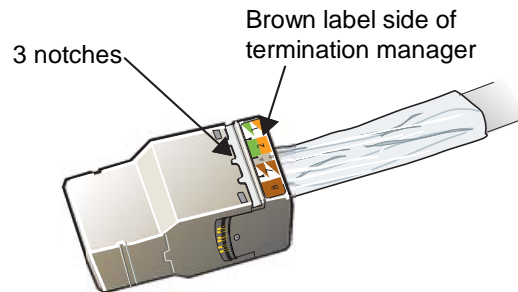Green pair

Spring clips

Seat and Trim Conductors

1. Following the label colors (T568B shown), place conductors directly into termination slots. Seat conductors by pulling tight into slots, then trim pairs flush.

BL W   G W

End View

BR W   O W

Blue pair

Brown pair

Green pair

Orange pair

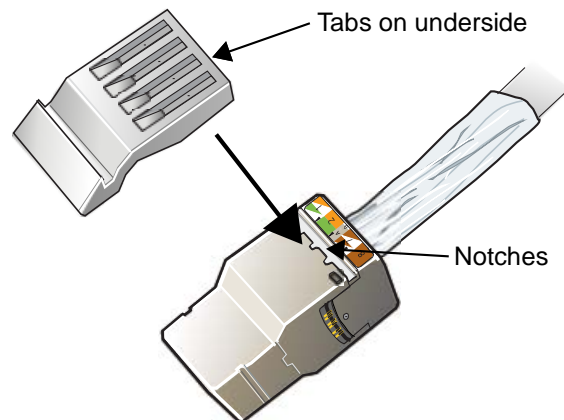## Seat Termination Manager on Outlet Body

1. Carefully align and insert termination manager squarely into outlet body.

   Note: For correct orientation, the Brown label side faces the 3 notches.

3 notches

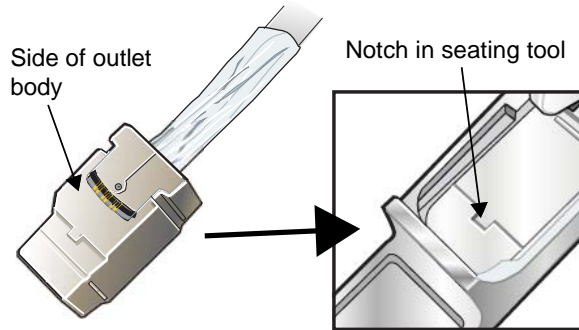Brown label side of termination manager

2. If outlet will be used in a Keystone compatible opening, insert Keystone clip on outlet before placing it in seating tool and seating termination manager to outlet body.

   Note: The clip has three tabs that slide into three notches on outlet body.

Tabs on underside

Notches

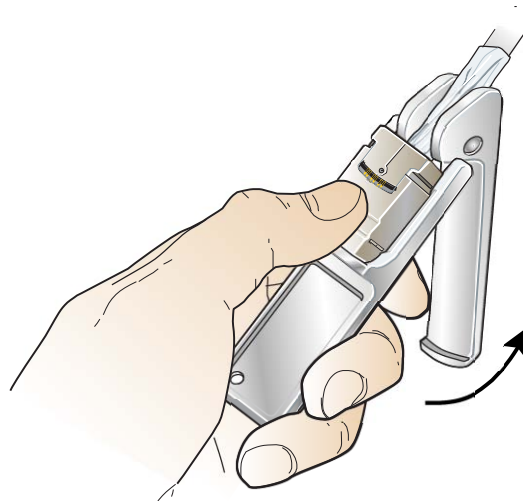3. Insert assembled outlet into the seating tool so that either side of outlet faces up as shown.

    Note: Tab on side of outlet fits into corresponding notch in seating tool.

Side of outlet body
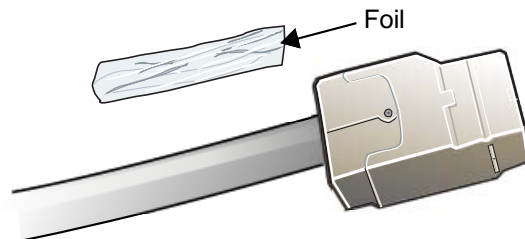
Notch in seating tool

4. Holding the outlet in the tool as shown, pull the tool handle out to seat termination manager and outlet body together.

    Note: Avoid placing thumb over the gap between termination manager and outlet body.
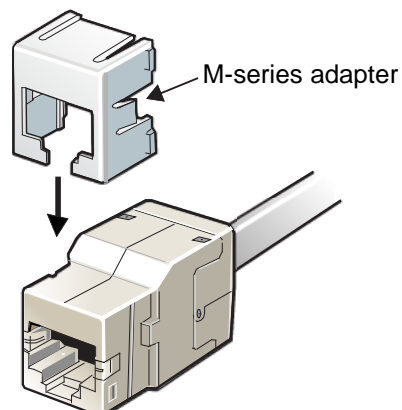
5. Remove outlet from seating tool.
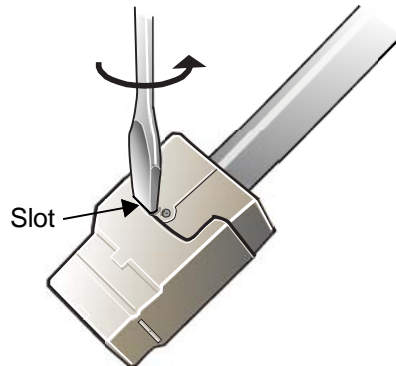
    For F/UTP cable only, trim excess foil.

Foil

6. If outlet will be used in a faceplate or box application, attach M-series adapter.

    Note: The M-series adapter is not allowed where grounding is required.

M-series adapter

Inspection or Repair of Termination

Note: To enable inspection or repair, the termination manager can be released from the outlet body by inserting a small flat blade screwdriver in slot located on either side of outlet and twisting as shown.

Slot

To release the termination manager, insert a small flat blade screwdriver between the two halves as shown and twist to disengage the latches.

A spudger tool can then be used to remove conductors for repair.

Installation in Shallow Boxes

It is acceptable to bend the exiting cable up to 90°, as tight as necessary, in any direction. Use care to ensure the cable shield remains inside the termination manager.