The CAT6+ Modular Jack is a punch down UTP connector based on a patented Encapsulated Lead Frame technology that ensures excellent long-term reliability as well as extremely stable transmission performance. They are designed to be used within the Belden IBDN 4800, 3600 and 2400 Systems. The Beyond Category 6 performance exceeds all parameters specified in the Category 6 standard. All performance characteristics have been set to guarantee transmission performance up to 300 MHz and a data-rate of up to 4.8 Gb/s.

The KeyConnect version has a keystone footprint, and is designed to be used with KeyConnect and AngleFlex Patch Panels and with KeyConnect and MediaFlex Workstation Outlets. The MDVO-Style is designed to be used with Flex Patch Panels as well as Interface and MediaFlex Workstation Outlets. The modular jacks can also be mixed and matched with a wide variety of adapters and boxes to suit practically any installation configuration for workstation outlet, consolidation point and telecommunications closet applications.

### CAT6+ Modular Jacks

#### KeyConnect and MDVO-Style

The CAT6+ Modular Jacks are designed to be used within the Belden IBDN 4800, 3600 and 2400 Systems. They exceed all parameters specified in the Category 6 standard. All performance characteristics have been set to guarantee transmission performance up to 300 MHz and a data-rate of up to 4.8 Gb/s.

<table>
<thead>
<tr>
<th>Description</th>
<th>Belden Part Number</th>
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<tbody>
<tr>
<td>Gray</td>
<td>AX101318 AX101063</td>
</tr>
<tr>
<td>Almond</td>
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<tr>
<td>Electrical White</td>
<td>AX101320 AX101065**</td>
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<tr>
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<td>AX101322 AX101067</td>
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<tr>
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<td>Ivory</td>
<td>AX103076 AX102563</td>
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<td>AX104189 —</td>
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<td>Purple*</td>
<td>AX104194 —</td>
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<tr>
<td>Brown*</td>
<td>AX104195 —</td>
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</table>

* Only available in KeyConnect-Style
** MDVO-style jack is white
**CAT6+ Shielded Patch Panels and Shielded Modular Jacks**

*KeyConnect and Modular*

KeyConnect Shielded Patch Panels are robust all-metal modular patch panels that provide a flexible, versatile and high-density termination solution for Data Center and Telecommunications Room installations. The modular KeyConnect Patch Panels are available in 24-port/1U and 48-port/2U and are complete with a ground wire and cable management brackets to guarantee shielding integrity (per TIA-607-B) and neat cable dressing. The KeyConnect Shielded Patch Panels can be configured using 10GX Shielded Modular Jacks or any other KeyConnect modules.

The CAT6+ Shielded KeyConnect Modular Jack is a rugged tool-less connector designed to be used within the Belden 2400 Shielded System. Its 2-piece die-cast housing and its shielding lug provide a reliable shield and 360 degree durable bonding to the cable foil. Its color-coded wire guide speeds up pair placement and terminates all pairs when closing the 2-piece housing. The excellent CAT6+ performance exceeds all parameters specified in the TIA Category 6 standard. Its performance characteristics including ANEXT, NEXT, FEXT, Insertion Loss and Return Loss have been set to guarantee transmission performance up to 250 MHz with a 10 dB margin on PSANEXT and PSACRF. Its keystone footprint makes it compatible with KeyConnect Shielded Patch Panels and with KeyConnect and MediaFlex Workstation Outlets.

### KeyConnect Shielded Modular Patch Panels

<table>
<thead>
<tr>
<th>Description</th>
<th>Belden Part Number</th>
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<tbody>
<tr>
<td>KeyConnect Shielded Patch Panel, 24-port, 1U, Titanium (Empty)</td>
<td>AX104563</td>
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<tr>
<td>KeyConnect Shielded Patch Panel, 48-port, 2U, Titanium (Empty)</td>
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<tr>
<td>KeyConnect Shielded Angled Patch Panel, 24 port, 1U, Titanium (Empty)</td>
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<tr>
<td>KeyConnect Shielded Angled Patch Panel, 48 port, 2U, Titanium (Empty)</td>
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### CAT6+ Shielded KeyConnect Modular Jacks

<table>
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<tr>
<td>CAT6+ Shielded KeyConnect Modular Jack, Metallic</td>
<td>AX104596</td>
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### Color-coded Icon Kit

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<tr>
<th>Description</th>
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<th>Yellow</th>
<th>Green</th>
<th>Blue</th>
<th>Purple</th>
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<th>Black</th>
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<tbody>
<tr>
<td>KeyConnect Color-coded Icon Kit for Shielded Jacks and Couplers</td>
<td>AX104632-RO AX104632-OR AX104632-YE AX104632-GN AX104632-BL AX104632-PR AX104632-EW AX104632-BK</td>
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