## Copper H-tap connectors for copper conductors

Material – High conductivity extruded copper  
Finish – Electro tin plated

### Copper H-taps – Certified to 600 V

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>Fig. no.</th>
<th>Colour code</th>
<th>Wire size (AWG or kcmil)</th>
<th>Crimping information</th>
</tr>
</thead>
</table>
| CHT750350-1F | 1 | White | (750–500) (750) Flex only | Hydraulic head: TBM15I  
Installing die: 15620CHF  
# of crimps: 1  
Colour code: White  
Die code: F  
Strip length (in.): 1  
Insulating covers: HTC |
| CHT750350-2 | 2 | Yellow | 750–500 (550–500) | Hydraulic head: TBM15I  
Installing die: 15620CH  
# of crimps: 1  
Colour code: Yellow  
Die code: Z  
Strip length (in.): 1  
Insulating covers: HTC500 |
| CHT75010-3 | 9 | Brown | 750–500 (550–500) 4/0–1/0 (250–1/0) | Hydraulic head: TBM15I  
Installing die: 15620CH  
# of crimps: 1  
Colour code: Brown  
Die code: N  
Strip length (in.): 1  
Insulating covers: HTC500 |
Installing die: 15612CH  
# of crimps: 2  
Colour code: Brown  
Die code: N  
Strip length (in.): 1  
Insulating covers: HTC500 |
| CHT50010-5 | 3 | Brown | 500–250 (350–4/0) 250–1/0 (4/0–1/0) 1 Str. 2–6 AWG (1–8) 8–14 (8–14) | Hydraulic head: TBM15I  
Installing die: 15612CH  
# of crimps: 2  
Colour code: Brown  
Die code: N  
Strip length (in.): 1  
Insulating covers: HTC500 |
| CHT2502-6 | 2 | Purple | 250–2 (4/0–2) 250–2 (4/0–2) | Hydraulic head: -TBM15I  
Installing die: 15CA80RCH  
# of crimps: 1  
Colour code: Purple  
Die code: 80R  
Strip length (in.): 1  
Insulating covers: HTC40 |
| CHT25014-7 | 4 | Green | 250–2 (4/0–2) 2–6 Str./Sol. (2–8) 8–14 (8–14) | Hydraulic head: -TBM15I  
Installing die: 15CA80RCH  
# of crimps: 1  
Colour code: Green  
Die code: 80R  
Strip length (in.): 1  
Insulating covers: HTC40 |
| CHT250214-8 | 5 | Green | 250–2 (4/0–2) 8–14 (8–14) 8–14 (8–14) | Hydraulic head: -TBM15I  
Installing die: 15CA80RCH  
# of crimps: 1  
Colour code: Green  
Die code: 80R  
Strip length (in.): 1  
Insulating covers: HTC40 |
Installing die: 15CA71RCH  
# of crimps: 3  
Colour code: Brown  
Die code: 71R  
Strip length (in.): 1  
Insulating covers: HTC40 |
| CHT814-10 | 7 | Green | 8–14 (8–14) 8–14 (8–14) 8–14 (8–14) | Hydraulic head: -TBM15I  
Installing die: 15CA37RCH  
# of crimps: 1  
Colour code: Green  
Die code: 37R  
Strip length (in.): 1  
Insulating covers: HTC25 |
| CHT75040-11 | 8 | Yellow | 750 Str. (750–500) 350–4/0 Str. Cu. & Flex | Hydraulic head: TBM15I  
Installing die: 15620CH  
# of crimps: 1  
Colour code: Yellow  
Die code: Z  
Strip length (in.): 1  
Insulating covers: HTC500 |

\* Requires adaptor cat. no. 15500-TB when used with hydraulic head TBM15I.  
Material: Copper per AS™ designation B-124-55 Alloy 12.  
For tool and die selection charts, see the Tools, Dies and Kits catalogue.
**Copper H-tap connectors for copper conductors**

**Material** – High conductivity extruded copper  
**Finish** – Electro tin plated

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<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>Fig. no.</th>
<th>H (in.)</th>
<th>W (in.)</th>
<th>L (in.)</th>
<th>A (in.)</th>
<th>D (in.)</th>
<th>D1 (in.)</th>
<th>D2 (in.)</th>
<th>D3 (in.)</th>
<th>Strip length (in.)</th>
<th>Insulating covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHT750350-1F</td>
<td>1</td>
<td>3.46 (87.9)</td>
<td>1.66 (42.1)</td>
<td>1.10 (27.9)</td>
<td>1.73 (43.9)</td>
<td>1.23 (31.2)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>1 1/8</td>
<td>HTC1000</td>
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<tr>
<td>CHT750350-2</td>
<td>2</td>
<td>3.24 (82.3)</td>
<td>1.50 (38.1)</td>
<td>1.25 (31.8)</td>
<td>1.62 (41.1)</td>
<td>1.02 (30.5)</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<td>HTC500</td>
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<tr>
<td>CHT75010-13</td>
<td>9</td>
<td>3.13 (79.5)</td>
<td>1.50 (38.1)</td>
<td>1.00 (25.4)</td>
<td>1.54 (39.1)</td>
<td>1.00 (25.4)</td>
<td>0.40 (10.2)</td>
<td>0.35 (8.9)</td>
<td>0.41 (10.4)</td>
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<td>HTC500</td>
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<tr>
<td>CHT75040-11</td>
<td>8</td>
<td>3.19 (81.0)</td>
<td>(1) 1.65 (41.9)</td>
<td>(2) 1.05 (26.7)</td>
<td>(1) 1.61 (40.9)</td>
<td>(2) 0.80 (20.3)</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<td>HTC500</td>
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<tr>
<td>CHT50040-4</td>
<td>2</td>
<td>2.64 (67.1)</td>
<td>1.18 (30.0)</td>
<td>1.00 (25.4)</td>
<td>1.32 (33.5)</td>
<td>0.80 (20.3)</td>
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<td>–</td>
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<td>HTC500</td>
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<tr>
<td>CHT50010-5</td>
<td>3</td>
<td>2.28 (57.9)</td>
<td>1.30 (33.0)</td>
<td>1.00 (25.4)</td>
<td>1.20 (30.5)</td>
<td>0.80 (20.3)</td>
<td>0.67 (17.0)</td>
<td>0.19 (4.8)</td>
<td>0.43 (10.9)</td>
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<td>HTC500</td>
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<tr>
<td>CHT2502-6</td>
<td>6</td>
<td>1.99 (50.9)</td>
<td>0.90 (22.9)</td>
<td>0.66 (16.8)</td>
<td>1.00 (25.4)</td>
<td>0.62 (15.7)</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<td>HTC40</td>
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<tr>
<td>CHT25014-7</td>
<td>4</td>
<td>1.63 (41.4)</td>
<td>0.90 (22.9)</td>
<td>0.96 (24.4)</td>
<td>0.52 (13.2)</td>
<td>0.35 (8.9)</td>
<td>0.19 (4.8)</td>
<td>–</td>
<td>–</td>
<td>1 1/8</td>
<td>HTC40</td>
</tr>
<tr>
<td>CHT250214-8</td>
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<td>1.63 (41.4)</td>
<td>0.90 (22.9)</td>
<td>0.96 (24.4)</td>
<td>0.62 (15.7)</td>
<td>0.19 (4.8)</td>
<td>–</td>
<td>–</td>
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<td>1 1/8</td>
<td>HTC40</td>
</tr>
<tr>
<td>CHT214-9</td>
<td>6</td>
<td>1.35 (34.3)</td>
<td>0.60 (15.2)</td>
<td>0.75 (19.1)</td>
<td>0.50 (12.7)</td>
<td>0.33 (8.4)</td>
<td>0.19 (4.8)</td>
<td>0.19 (4.8)</td>
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<td>7/8</td>
<td>HTC40</td>
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<tr>
<td>CHT814-10</td>
<td>7</td>
<td>0.62 (15.7)</td>
<td>0.60 (15.2)</td>
<td>0.37 (9.4)</td>
<td>0.25 (6.4)</td>
<td>0.16 (4.1)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>5/8</td>
<td>HTC25</td>
</tr>
</tbody>
</table>

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**Diagrams**

- Figure 1
- Figure 2
- Figure 3
- Figure 4
- Figure 5
- Figure 6
- Figure 7
- Figure 8
- Figure 9
Aluminum H-tap connectors

Exclusive FILLERLOK tab design

Material – High-conductivity wrought aluminum
• H-type compression taps
• For aluminum-to-aluminum, aluminum-to-copper and copper-to-copper stranded-conductor applications
• Concentric and compact code strandings

Copper H-taps – Certified to 600 V 90°C applications

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>Wire combinations (AWG or kcmil)</th>
<th>TBM6-TBM6S TBM60RS</th>
<th>Hydraulic TBM14M 13100A</th>
<th>TBM12 12-ton head</th>
<th>TBM151 15-ton head</th>
<th>Colour code</th>
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<tbody>
<tr>
<td>63105*</td>
<td>2–6 8–14 –</td>
<td>13474 - upper 13477 - lower</td>
<td>15530</td>
<td>TBM12D-4</td>
<td>15530*</td>
<td>Orange</td>
</tr>
<tr>
<td>63110</td>
<td>4–6 4–6 –</td>
<td>13470</td>
<td>15501A TBM12D-H</td>
<td>15001A*</td>
<td>Green</td>
<td></td>
</tr>
<tr>
<td>63118</td>
<td>2/0–2 8–14 –</td>
<td>13470</td>
<td>15501A TBM12D-H</td>
<td>15001A*</td>
<td>Green</td>
<td></td>
</tr>
<tr>
<td>63125</td>
<td>2/0–2 1/0–6 –</td>
<td>13470</td>
<td>15501A TBM12D-H</td>
<td>15001A*</td>
<td>Green</td>
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</tr>
<tr>
<td>63140</td>
<td>4/0–2/0 2–10 –</td>
<td>13471</td>
<td>15502 TBM12D-H</td>
<td>15502*</td>
<td>Blue</td>
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<tr>
<td>63148-</td>
<td>4/0–2/0 3/0–1 8–14 3 –</td>
<td>–</td>
<td>TBM12D-H</td>
<td>15502</td>
<td>Blue</td>
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<tr>
<td>63160</td>
<td>500–4/0 4/0–2 2–6 2 1/4 –</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>Red</td>
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<tr>
<td>63169</td>
<td>750–4/0 750–4/0 –</td>
<td>3 –</td>
<td>–</td>
<td>–</td>
<td>– 15620</td>
<td>Black</td>
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<tr>
<td>63170</td>
<td>1,000–500 1,000–1/0 –</td>
<td>6 –</td>
<td>–</td>
<td>–</td>
<td>– 15620</td>
<td></td>
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<tr>
<td>63180</td>
<td>750–350 350–1/0 1–6 3 –</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>– 15620</td>
<td></td>
</tr>
</tbody>
</table>

* Use with adaptor cat.no.15500-TB.
† 63105 also installed by TBM5/TBM5S with 13455 die or TBM8/TBM8S with 13462 die.
• 63148 – #1 CU or AL - wire bent double (hairpin).
For Smart™ tools installation
63110,63118,63125: Use TBM8-750HG
63140,63148: Use TBM8-750BH
For tool and die selection charts, see the Tools, Dies and Kits catalogue.
Interlocking insulating covers for compression taps
Better covers for taps

Soft shell H-tap/C-tap covers
ABB offers an improved design for one-piece covers for H-tap and C-tap connectors. The design is more size-efficient and includes an easy latch mechanism. The new covers also contain flash barriers to help protect against electrical flashovers. The covers are molded from high-impact polypropylene (UL94V-1) and are UL® listed, CSA certified to 600 V applications at 105 °C.

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>For H-taps</th>
<th>For C-taps</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Std. qty.</th>
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<tbody>
<tr>
<td>HTCV1</td>
<td>CHT814-10</td>
<td>54705, 54710, 54715</td>
<td>1⅝</td>
<td>⅝</td>
<td>⅝</td>
<td>5</td>
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<tr>
<td>HTCV2</td>
<td>CHT214-9, CHT25014-8, CHT25014-7, CHT2502-6</td>
<td>54770, 54775, 54780</td>
<td>3⅛</td>
<td>1⅝</td>
<td>1</td>
<td>5</td>
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<tr>
<td>HTCV3</td>
<td>CHT50010-5, CHT50010-4</td>
<td>54740, 54745, 54750, 54755, 54760, 54765</td>
<td>3⅜</td>
<td>1⅛</td>
<td>1⅝</td>
<td>5</td>
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<tr>
<td>HTCV4</td>
<td>CHT75010-3, CHT750350-2, CHT750350-1F, CHT75040-11</td>
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<td>5⅛</td>
<td>2</td>
<td>1½⅛</td>
<td>5</td>
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<tr>
<td>HTCV2CLRFR</td>
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<td>–</td>
<td>3⅛</td>
<td>1⅝</td>
<td>1</td>
<td>5</td>
</tr>
</tbody>
</table>

The soft shell covers include these features:
- **Size-efficient design**
  Won’t take up as much room in the enclosure or vault, easier to store and carry to the job site
- **Easy latch mechanism**
  Quick but sturdy cover latch for optimum insulation
- **Flash barriers**
  Provides protection from electrical flashovers
- **105 °C rating**
  Offers maximum performance and higher than many competitors’ temperature ratings
- **High-impact polypropylene**
  Constructed from rugged materials for long-lasting protection

Also available in clear, impact-resistant and flame-retardant polycarbonate (UL94V-0). The clear version includes an internal pocket for a visible identification label without opening the cover. Contact Customer Service for shipping and availability.

Soft shell H-tap/C-tap covers

- **01** Smaller size requires less space in enclosure. High-impact polypropylene for rugged, dependable use.
- **02** Clear, polycarbonate (UL94V-0) version available.
- **03** Easy latch mechanism.

Diagram