

## PANDUIT Termination Solutions



### Success Depends on the Crimp.



A proper crimp is the key element of an overall wire termination assembly that unfortunately is all too often overlooked.

Proper terminal selection, application and crimping are critical factors to the safety, performance and reliability of an electrical connection. When selected and installed properly, the function of a terminal is transparent in the overall operation of a product; however, when selected or installed improperly, it can result in rework, recalls and downtime, which could result in loss of productivity and profitability.

To produce a high-quality crimp you can rely upon to resist failure, you need the right terminal, right tool and right technique.

The purpose of the Technical Reference Guide is to give you the necessary tools to:

- Select the right terminal for a specific application
- Select the right tool for the terminal and the application
- Produce a high-quality crimp

# Crimping Guidelines for **PANDUIT® PAN-TERM®** Terminals, Disconnects, Splices and Wire Joints

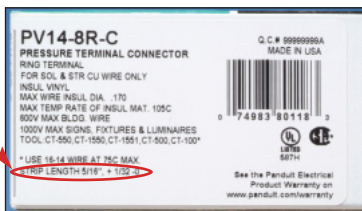
## 1. Select the proper **PANDUIT** terminal for the application and wire size used

- Ring terminals are used for high vibration and grounding applications
- Fork terminals are used for static (non-vibration) applications
- Disconnects are used for applications that require quick connection of wires without the use of tools
- Splices and wire joints are used to join wires together



## 2. Strip wire to the proper length as specified on:

- **PANDUIT** product packaging label
- Packaging instructions included with the **PANDUIT** product
- Or if no packaging instructions are available, plan your strip length so that 1/32 of an inch of wire can be seen protruding through the tongue end of the terminal barrel



## 3. Select the proper crimp tool to be used

- Use crimping tools that provide a UL Listed and/or CSA Certified electrical termination, to assure a safe and reliable connection
- **PANDUIT** terminals are UL Listed and CSA Certified when crimped with **PANDUIT** plier type crimping tool or with the preferred **CONTOUR CRIMP™** Controlled Cycle Crimping Tool specified on the packaging label



**Plier Type  
Crimping Tool**



**CONTOUR CRIMP™  
Controlled Cycle  
Crimping Tool**

# Crimping Guidelines for PANDUIT® PAN-TERM® Terminals, Disconnects, Splices and Wire Joints (continued)

## 4. Select the proper crimp pocket for the terminals and wire size you are using

- PANDUIT crimping tools simplify this process with color coded crimp pockets. The yellow, blue and red pockets are specifically designed for the industry standard barrel sizes, each with a specific color code.



## 5. Perform the electrical crimp For the plier type tool

### Insulated Terminals and Disconnects

- Locate terminal in appropriate size color-coded crimp die pocket with tool centered on insulation sleeve. (See Note 1 page A6)
- Rotate terminal so tongue is level with crimp die.
- Insert properly stripped wire into terminal until a minimum of 1/32" of wire extends beyond the terminal barrel.
- Squeeze tool handles firmly to perform the electrical crimp. (See Note 2 page A6)
- Provide second crimp on the flared portion of the insulation housing to close the insulation as shown. Caution: when using plier type crimping tools, do not squeeze as firmly as you did for the electrical crimp. (See Note 3 page A6)



**Step A**



**Step B**



**Steps C & D**



**Step E**



**Complete Crimp**

# Crimping Guidelines for PANDUIT® PAN-TERM® Terminals, Disconnects, Splices and Wire Joints (continued)

## Non-Insulated Terminals and Disconnects

- Locate terminal in appropriate wire gauge crimp die pocket with indenter centered on barrel seam.
- Rotate terminal so tongue is level with crimp die.
- Insert properly stripped wire (based on recommendations on package label) into terminal until a minimum of 1/32" of wire extends beyond the terminal barrel.
- Squeeze tool handles firmly to perform the electrical crimp.  
(See Note 2 page A6)



Step A



Step B



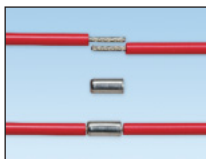
Steps C & D



Complete Crimp

## Insulated and Non-Insulated Parallel Splices

- Locate parallel splice in appropriate wire gauge crimping die pocket and position tool on the center of the splice.
- Insert properly stripped wire (based on recommendations on package label) into each end of the parallel splice.
- Squeeze tool handles firmly. (See Note 2 page A6)
- An insulation crimp is not required on an insulated parallel splice.



Steps A & B



Steps C & D



Complete Crimp

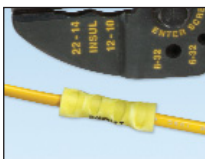
# Crimping Guidelines for **PANDUIT® PAN-TERM®** **Terminals, Disconnects, Splices and Wire Joints** **(continued)**

## **Insulated and Non-Insulated Butt Splices**

- A. Locate butt splice in appropriate color-coded crimp die pocket and position crimp halfway between the wire stop (center of splice) and the end of the insulation crimp area. (See Note 4 page A6)
- B. Insert properly stripped wire (based on recommendations on package label) into one end of butt splice.
- C. Squeeze tool handles firmly to perform the electrical crimp. (See Note 2 page A6)
- D. Provide second crimp on the flared portion of the insulation housing to close the insulation. Caution: When using plier type crimping tools, do not squeeze as firmly as you did for the electrical crimp. (See Note 3 page A6)
- E. Repeat steps one to four for opposite end of butt splice.


**Steps A & B**

**Steps C**

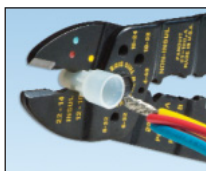
**Step D & E**

**Complete Crimp**

# Crimping Guidelines for **PANDUIT® PAN-TERM®** Terminals, Disconnects, Splices and Wire Joints (continued)

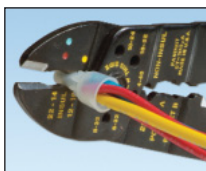
## Insulated and Non-Insulated Wire Joints

- A. Properly strip wires per manufacturer's recommendations on product package label.
- B. Twist stripped wire ends together, and insert wires into wire joint.
- C. Locate wire joint in appropriate wire gauge crimp die pocket and position crimp in the center of the metal insert.
- D. Squeeze tool handles firmly to perform the electrical crimp. *(See Note 2 below)*

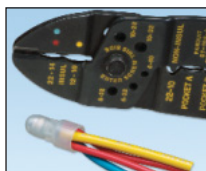
Note: an insulation crimp is not required on an insulated wire joint.



Steps 1 & 2



Steps 3 & 4



Complete Crimp

## NOTES for Crimping with the preferred Hand Operated Controlled Cycle Crimping Tools:

1. **PANDUIT** controlled cycle crimping tools properly locate rings, forks, and barrel insulated disconnects, pins, and blades. No further positioning is required.
2. When using the preferred controlled cycle tool, once a crimp has been started, the ratchet device of controlled cycle tools will not release until the crimp is complete, independent of operator expertise.
3. Controlled cycle tools provide the electrical crimp and the insulation closure in a single cycle of the tool.
4. When using controlled cycle tooling, insulated butt splices must be inserted from the back of the tool to ensure that the electrical and insulation closure crimp pockets are properly aligned with the splice.

## Crimping Guidelines for PANDUIT® PAN-TERM® Terminals, Disconnects, Splices and Wire Joints (continued)

### 5. Perform the electrical crimp using the preferred controlled cycle tool

- Make sure the terminal barrel is centered correctly in the right die pocket by using the product locator on the backside of the tool.
- Determine the correct die pocket to use based on the color code of the terminal.
- Squeeze the handles of the tool until one click is heard; this click indicates the terminal is now held in place securely to insert the wire.
- Insert the wire and complete cycle to perform the electrical and insulation crimp simultaneously.
- Crimp complete.


**Step A**

**Step B**

**Step C**

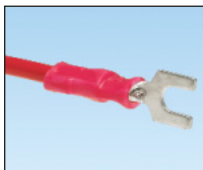
**Step D**

**Complete Crimp**

### 6. Inspect the crimp

Note: If your crimp looks like any of the examples shown below, cut off the terminal and recrimp. These crimps would provide a poor connection!


**Bent Back Strands**

**Over Crimp**

**Rotated Crimp**



## PANDUIT Installation Tooling for Terminals, Disconnects and Splices

| Terminal Series                                                | Std. Wire Range (AWG) | Wire Strip Length (In.)<br>[+1/32;-0] | Plier Tools |        |        |        | Controlled Cycle Hand Tools |        |        |        |         |         |         |         |         |         |         |          | Crimp Heads for Pneumatic CT-600 Tool |          |          |  | CT-720 Mechanical |
|----------------------------------------------------------------|-----------------------|---------------------------------------|-------------|--------|--------|--------|-----------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|----------|---------------------------------------|----------|----------|--|-------------------|
|                                                                |                       |                                       | CT-100      | CT-160 | CT-200 | CT-260 | CT-300-1                    | CT-310 | CT-400 | CT-460 | CT-1014 | CT-1015 | CT-1525 | CT-1550 | CT-1551 | CT-1570 | CT-1701 | CT-500CH | CT-520CH                              | CT-550CH | CT-570CH |  |                   |
| Butt Splices                                                   |                       |                                       |             |        |        |        |                             |        |        |        |         |         |         |         |         |         |         |          |                                       |          |          |  |                   |
| BS – Non-Insulated Butt Splices                                | 26-22                 | 1/4                                   | X           | X      |        |        |                             |        |        |        |         |         |         |         |         |         |         |          |                                       |          |          |  |                   |
|                                                                | 22-18                 | 9/32                                  | X           | X      | X      | X      |                             |        |        |        |         |         |         |         |         | X       |         |          |                                       |          | X        |  |                   |
|                                                                | 16-14                 | 9/32                                  | X           | X      | X      | X      |                             |        |        |        |         |         |         |         |         | X       |         |          |                                       |          | X        |  |                   |
|                                                                | 12-10                 | 9/32                                  | X           | X      | X      | X      |                             |        |        |        |         |         |         |         |         | X       | X       |          |                                       |          | X        |  |                   |
| BSH – Heat Shrink                                              | 22-18                 | 5/16                                  |             |        |        |        |                             | X      |        |        |         |         |         |         |         |         |         |          |                                       |          |          |  |                   |
|                                                                | 16-14                 | 5/16                                  |             |        |        |        |                             | X      |        |        |         |         |         |         |         |         |         |          |                                       |          |          |  |                   |
|                                                                | 12-10                 | 5/16                                  |             |        |        |        |                             | X      |        |        |         |         |         |         |         |         |         |          |                                       |          |          |  |                   |
| BSN – Nylon Insulated                                          | 26-22                 | 1/4                                   | X           |        |        |        |                             |        |        |        |         |         | X       |         |         |         |         |          | X                                     |          |          |  |                   |
|                                                                | 22-18                 | 9/32                                  | X           |        |        | X      |                             |        | X      |        |         |         |         | X       | X       |         |         | X        |                                       |          |          |  |                   |
|                                                                | 16-14                 | 9/32                                  | X           | X      |        | X      |                             |        | X      | X      |         |         |         | X       | X       |         |         | X        |                                       |          |          |  |                   |
|                                                                | 12-10                 | 9/32                                  | X           | X      |        | X      |                             |        |        | X      |         |         |         | X       | X       |         |         |          |                                       | X        |          |  |                   |
| BSV – Vinyl Insulated                                          | 22-18                 | 5/16                                  | X           | X      |        | X      |                             |        | X      |        |         |         |         | X       | X       |         |         | X        |                                       | X        |          |  |                   |
|                                                                | 16-14                 | 5/16                                  | X           | X      |        | X      |                             |        | X      | X      |         |         |         | X       | X       |         |         | X        |                                       | X        |          |  |                   |
|                                                                | 12-10                 | 5/16                                  | X           | X      |        | X      |                             |        |        | X      |         |         |         | X       | X       |         |         |          |                                       | X        |          |  |                   |
| Disconnects                                                    |                       |                                       |             |        |        |        |                             |        |        |        |         |         |         |         |         |         |         |          |                                       |          |          |  |                   |
| D, DR – Non-Insulated, Sleeve Barrel<br>(Includes Right Angle) | 22-18                 | 9/32                                  | X           | X      | X      | X      |                             |        |        |        |         |         |         |         |         | X       |         |          |                                       |          |          |  |                   |
|                                                                | 16-14                 | 9/32                                  | X           | X      | X      | X      |                             |        |        |        |         |         |         |         |         | X       |         |          |                                       |          | X        |  |                   |
|                                                                | 12-10                 | 9/32                                  | X           | X      | X      | X      |                             |        |        |        |         |         |         |         |         | X       | X       |          |                                       |          | X        |  |                   |



## PANDUIT Installation Tooling for Terminals, Disconnects and Splices (continued)

|                                                                                                                                                                    |       |      |   |   |   |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|---|---|---|---|--|--|---|---|--|---|---|---|--|---|---|---|---|---|---|--|
| D-M – Non-Insulated Male Blade Adapters                                                                                                                            | 22-18 | 9/32 | X | X | X | X |  |  |   |   |  |   |   |   |  | X |   |   |   |   | X |  |
|                                                                                                                                                                    | 16-14 | 9/32 | X | X | X | X |  |  |   |   |  |   |   |   |  | X |   |   |   |   | X |  |
| D-M – Non-Insulated Male                                                                                                                                           | 12-10 | 9/32 | X |   | X | X |  |  |   |   |  |   |   |   |  | X | X |   |   |   | X |  |
| D-MB, DR-B – Non-Insulated Right Angle Female & Non-Insulated Male Butted Seam                                                                                     | 22-18 | 9/32 | X | X | X | X |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |
|                                                                                                                                                                    | 16-14 | 9/32 | X | X | X | X |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |
| DNF – Nylon, Funnel Entry, Barrel Insulated (not .110/.111)                                                                                                        | 22-18 | 9/32 |   | X |   | X |  |  | X |   |  |   |   |   |  |   | X |   |   |   |   |  |
|                                                                                                                                                                    | 16-14 | 9/32 |   | X |   | X |  |  | X | X |  |   | X | X |  |   | X |   |   | X |   |  |
| DNF-110, DNF-111 – Nylon, Funnel Entry Barrel Insulated .110/.111 Tab Size                                                                                         | 22-18 | 7/32 | X |   |   |   |  |  |   |   |  | X |   |   |  |   | X | X |   |   |   |  |
|                                                                                                                                                                    | 16-14 | 9/32 |   | X |   |   |  |  |   |   |  |   | X | X |  |   |   |   |   |   |   |  |
| DNF-FI – Nylon, Fully Insulated                                                                                                                                    | 22-18 | 9/32 | X | X |   | X |  |  |   |   |  | X | X | X |  |   | X |   |   | X |   |  |
|                                                                                                                                                                    | 16-14 | 9/32 | X | X |   | X |  |  |   |   |  |   | X | X |  |   | X |   |   | X |   |  |
|                                                                                                                                                                    | 12-10 | 3/8  | X | X |   | X |  |  | X |   |  |   | X | X |  |   |   |   |   | X |   |  |
| DPF-FI – Premium Nylon, Fully Insulated                                                                                                                            | 12-10 | 3/8  | X | X |   | X |  |  | X |   |  |   | X | X |  |   |   |   |   | X |   |  |
| DNF-FIB, DNF-FIM, DNF-FIMB, DPF-FIB, DPF-FIMB, DNF-LPB, DPF-LPB – Nylon & Premium Grade Nylon, Fully Insulated, Funnel Entry, Male/Female Couplers (not .110/.111) | 22-18 | 9/32 | X |   |   |   |  |  |   |   |  | X |   |   |  |   |   |   | X |   |   |  |
|                                                                                                                                                                    | 16-14 | 9/32 | X |   |   |   |  |  |   |   |  | X |   |   |  |   |   |   | X |   |   |  |
|                                                                                                                                                                    | 12-10 | 3/8  |   |   |   |   |  |  |   |   |  | X |   |   |  |   |   |   |   |   |   |  |
| DMF-FIB, DPF-FIB – Nylon Premium Grade Nylon, Fully Insulated, Funnel Entry, .110/.111 Tab Size                                                                    | 22-18 | 7/32 | X |   |   |   |  |  |   |   |  | X |   |   |  |   |   |   | X |   |   |  |
| DNF-FIBX – Nylon, Expanded Wire Entry, Fully Insulated                                                                                                             | 22-18 | 9/32 | X |   |   |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |
|                                                                                                                                                                    | 16-14 | 9/32 | X |   |   |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |
| DNF-M – Nylon Insulated, Funnel Entry, Barrel Insulated, Male                                                                                                      | 22-18 | 9/32 | X | X |   | X |  |  |   |   |  |   | X | X |  |   | X |   |   | X |   |  |
|                                                                                                                                                                    | 16-14 | 9/32 | X | X |   | X |  |  |   |   |  |   | X | X |  |   | X |   |   | X |   |  |
|                                                                                                                                                                    | 12-10 | 9/32 |   |   |   | X |  |  | X |   |  |   | X | X |  |   |   |   |   | X |   |  |

# *PANDUIT* Installation Tooling for Terminals, Disconnects and Splices (continued)

| Terminal Series                                                              | Std. Wire Range (AWG) | Wire Strip Length (In.) +1/32;-0] | Plier Tools |        |        |        | Controlled Cycle Hand Tools |        |        |        |         |         |         |         |         |         | Crimp Heads for Pneumatic CT-600 Tool |          |          |          | CT-720 Mechanical |          |
|------------------------------------------------------------------------------|-----------------------|-----------------------------------|-------------|--------|--------|--------|-----------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------------------------------------|----------|----------|----------|-------------------|----------|
|                                                                              |                       |                                   | CT-100      | CT-160 | CT-200 | CT-260 | CT-300-1                    | CT-310 | CT-400 | CT-460 | CT-1014 | CT-1015 | CT-1525 | CT-1550 | CT-1551 | CT-1570 | CT-1701                               | CT-500CH | CT-520CH | CT-550CH |                   | CT-570CH |
| DNFR-B – Nylon Pre-Insulated, Right Angle                                    | 22-18                 | 9/32                              | X           |        |        |        |                             |        |        |        |         |         | X       |         |         |         |                                       |          |          |          |                   |          |
|                                                                              | 16-14                 | 9/32                              | X           |        |        |        |                             |        |        |        |         |         | X       |         |         |         |                                       |          |          |          |                   |          |
| DNFR-FIB – Nylon Butted Seam, Right Angle                                    | 22-18                 | 11/32                             |             |        |        |        | X                           |        |        |        |         |         |         |         |         |         |                                       |          |          |          |                   |          |
|                                                                              | 16-14                 | 11/32                             |             |        |        |        | X                           |        |        |        |         |         |         |         |         |         |                                       |          |          |          |                   |          |
| DNG-FB – Supra Grip Nylon Fully Insulated (Except DNG14-187FB & DNG14-188FB) | 22-18                 | 1/4                               |             |        |        |        |                             |        |        |        |         | X       |         |         |         |         |                                       |          |          |          |                   |          |
|                                                                              | 16-14                 | 1/4                               |             |        |        |        |                             |        |        |        |         | X       |         |         |         |         |                                       |          |          |          |                   |          |
| DNG-FL – Disco-Lok Nylon, Fully Insulated                                    | 22-18                 | 1/4                               |             |        |        |        |                             |        |        |        | X       |         |         |         |         |         |                                       |          |          |          |                   |          |
|                                                                              | 16-14                 | 1/4                               |             |        |        |        |                             |        |        |        | X       |         |         |         |         |         |                                       |          |          |          |                   |          |
| DNH – Heat Shrink                                                            | 22-18                 | 5/16                              |             |        |        |        |                             | X      |        |        |         |         |         |         |         |         |                                       |          |          |          |                   |          |
|                                                                              | 16-14                 | 5/16                              |             |        |        |        |                             | X      |        |        |         |         |         |         |         |         |                                       |          |          |          |                   |          |
|                                                                              | 12-10                 | 5/16                              |             |        |        |        |                             | X      |        |        |         |         |         |         |         |         |                                       |          |          |          |                   |          |
| DV – Vinyl Barrel Insulated Sleeve                                           | 12-10                 | 9/32                              | X           |        |        |        |                             |        |        |        |         |         |         | X       | X       |         |                                       |          |          | X        |                   |          |
| DV-B – Vinyl Insulated, Butted Seam                                          | 22-18                 | 1/4                               | X           |        |        |        |                             |        |        |        |         |         | X       |         |         |         |                                       |          | X        |          |                   |          |
|                                                                              | 16-14                 | 1/4                               | X           |        |        |        |                             |        |        |        |         |         | X       |         |         |         |                                       |          | X        |          |                   |          |
| DV-M – Non-Insulated Male Blade Adapters                                     | 22-18                 | 9/32                              | X           | X      |        | X      |                             |        | X      |        |         |         |         | X       | X       |         |                                       | X        |          | X        |                   |          |
|                                                                              | 16-14                 | 9/32                              | X           | X      |        | X      |                             |        | X      | X      |         |         |         | X       | X       |         |                                       | X        |          | X        |                   |          |
| DV-M – Non-Insulated Male Disconnects                                        | 12-10                 | 9/32                              | X           |        |        | X      |                             |        |        |        |         |         |         |         |         |         |                                       |          |          | X        |                   |          |

# *PANDUIT* Installation Tooling for Terminals, Disconnects and Splices (continued)

|                                                             |       |      |   |   |  |   |  |  |   |   |  |  |   |   |   |  |  |   |  |   |  |  |
|-------------------------------------------------------------|-------|------|---|---|--|---|--|--|---|---|--|--|---|---|---|--|--|---|--|---|--|--|
| DV-MB – Vinyl Insulated Butted Seam Male Disconnects        | 22-18 | 9/32 | X |   |  |   |  |  | X |   |  |  | X |   |   |  |  | X |  | X |  |  |
|                                                             | 16-14 | 9/32 | X |   |  |   |  |  | X | X |  |  | X |   |   |  |  | X |  | X |  |  |
| DV-P – Vinyl Insulated Piggyback Disconnects                | 22-18 | 1/4  | X | X |  | X |  |  |   |   |  |  |   | X | X |  |  | X |  | X |  |  |
|                                                             | 16-14 | 1/4  | X | X |  | X |  |  |   |   |  |  |   | X | X |  |  | X |  | X |  |  |
| DVF – Vinyl Funnel Entry Barrel Insulated Female Disconnect | 22-18 | 9/32 |   |   |  |   |  |  |   |   |  |  |   | X | X |  |  | X |  | X |  |  |
|                                                             | 16-14 | 9/32 |   |   |  |   |  |  |   |   |  |  |   | X | X |  |  | X |  | X |  |  |

## Wire Joints

|                                                                 |       |      |   |   |   |   |  |  |   |   |  |  |  |   |   |  |  |   |  |   |  |  |
|-----------------------------------------------------------------|-------|------|---|---|---|---|--|--|---|---|--|--|--|---|---|--|--|---|--|---|--|--|
| J – Non-Insulated J214-312, J318-412, J216-410                  | 18-12 | 1/2  | X |   | X |   |  |  |   |   |  |  |  |   |   |  |  |   |  |   |  |  |
|                                                                 | 18-12 | 1/2  | X |   | X |   |  |  |   |   |  |  |  |   |   |  |  |   |  |   |  |  |
|                                                                 | 16-10 | 3/4  |   |   | X |   |  |  |   |   |  |  |  |   |   |  |  |   |  |   |  |  |
| JN – Nylon Insulated JN224-318, JN218-216, JN418-212, JN314-212 | 24-16 | 7/16 | X | X |   | X |  |  | X |   |  |  |  | X | X |  |  | X |  | X |  |  |
|                                                                 | 22-14 | 7/16 | X | X |   |   |  |  | X |   |  |  |  | X | X |  |  | X |  | X |  |  |
|                                                                 | 18-12 | 1/2  | X | X |   |   |  |  |   | X |  |  |  | X | X |  |  |   |  | X |  |  |
|                                                                 | 14-12 | 5/8  |   | X |   |   |  |  |   |   |  |  |  |   |   |  |  |   |  |   |  |  |

## Terminals

|                                                                                                             |       |      |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |  |  |  |  |   |
|-------------------------------------------------------------------------------------------------------------|-------|------|---|---|---|---|---|--|--|--|--|--|--|--|--|---|---|--|--|--|--|---|
| P-HDR – Non-Insulated Heavy Duty Rings                                                                      | 16-12 | 9/32 | X | X | X | X |   |  |  |  |  |  |  |  |  | X | X |  |  |  |  | X |
| P-P – Non-Insulated Pin Terminals                                                                           | 22-18 | 9/32 | X | X | X | X |   |  |  |  |  |  |  |  |  | X |   |  |  |  |  | X |
|                                                                                                             | 16-14 | 9/32 | X | X | X | X |   |  |  |  |  |  |  |  |  | X |   |  |  |  |  | X |
|                                                                                                             | 12-10 | 9/32 | X | X | X | X |   |  |  |  |  |  |  |  |  | X | X |  |  |  |  | X |
| P-R – Non-Insulated Large Ring Terminals                                                                    | 8     | 3/8  |   |   |   |   |   |  |  |  |  |  |  |  |  |   | X |  |  |  |  |   |
|                                                                                                             | 6     | 7/16 |   |   |   |   |   |  |  |  |  |  |  |  |  |   | X |  |  |  |  |   |
|                                                                                                             | 4     | 1/2  |   |   |   |   |   |  |  |  |  |  |  |  |  |   | X |  |  |  |  |   |
|                                                                                                             | 2     | 1/2  |   |   |   |   |   |  |  |  |  |  |  |  |  |   | X |  |  |  |  |   |
| P-R, P-R, P-LF, P-SLF, P-FF – Non-Insulated Rings, Forks, Locking Forks, Short Locking Forks, Flanged Forks | 22-26 | 3/16 | X |   |   | X | X |  |  |  |  |  |  |  |  |   |   |  |  |  |  |   |
|                                                                                                             | 22-18 | 7/32 | X | X | X | X |   |  |  |  |  |  |  |  |  | X |   |  |  |  |  | X |
|                                                                                                             | 16-14 | 7/32 | X | X | X | X |   |  |  |  |  |  |  |  |  | X |   |  |  |  |  | X |
|                                                                                                             | 12-10 | 9/32 | X | X | X | X |   |  |  |  |  |  |  |  |  | X | X |  |  |  |  | X |

# *PANDUIT* Installation Tooling for Terminals, Disconnects and Splices (continued)

| Terminal Series                                                                                                                                      | Std. Wire Range (AWG) | Wire Strip Length (In.) [+1/32;-0] | Plier Tools |        |        |        | Controlled Cycle Hand Tools |        |        |        |         |         |         |         |         |         | Crimp Heads for Pneumatic CT-600 Tool |          |          |          | CT-720 Mechanical |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------|-------------|--------|--------|--------|-----------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------------------------------------|----------|----------|----------|-------------------|----------|
|                                                                                                                                                      |                       |                                    | CT-100      | CT-160 | CT-200 | CT-260 | CT-300-1                    | CT-310 | CT-400 | CT-460 | CT-1014 | CT-1015 | CT-1525 | CT-1550 | CT-1551 | CT-1570 | CT-1701                               | CT-500CH | CT-520CH | CT-550CH |                   | CT-570CH |
| P-RHT6 – High Temperature Rings                                                                                                                      | 22-18                 | 9/32                               | X           | X      | X      | X      |                             |        |        |        |         |         |         |         |         | X       |                                       |          |          |          | X                 |          |
|                                                                                                                                                      | 16-14                 | 9/32                               | X           | X      | X      | X      |                             |        |        |        |         |         |         |         |         | X       |                                       |          |          |          | X                 |          |
|                                                                                                                                                      | 12-10                 | 9/32                               | X           | X      | X      | X      |                             |        |        |        |         |         |         |         |         | X       | X                                     |          |          |          | X                 |          |
| PH – Heat Shrink Terminals                                                                                                                           | 22-18                 | 5/16                               |             |        |        |        |                             | X      |        |        |         |         |         |         |         |         |                                       |          |          |          |                   |          |
|                                                                                                                                                      | 16-14                 | 5/16                               |             |        |        |        |                             | X      |        |        |         |         |         |         |         |         |                                       |          |          |          |                   |          |
|                                                                                                                                                      | 12-10                 | 5/16                               |             |        |        |        |                             | X      |        |        |         |         |         |         |         |         |                                       |          |          |          |                   |          |
| PK-R – KYNAR* Rings                                                                                                                                  | 22-18                 | 7/32                               | X           |        |        |        |                             |        |        |        |         |         |         | X       | X       |         |                                       | X        |          | X        |                   |          |
|                                                                                                                                                      | 16-14                 | 7/32                               | X           |        |        |        |                             |        |        |        |         |         |         | X       | X       |         |                                       | X        |          | X        |                   |          |
|                                                                                                                                                      | 12-10                 | 9/32                               | X           |        |        |        |                             |        |        |        |         |         |         | X       | X       |         |                                       |          |          | X        |                   |          |
| PN-R, PN-RX, PN-F, PN-LF, PN-FF, PNF-R, PNF-F, PNF-LF – Nylon & Nylon Funnel Entry Forks, Locking Forks, Flanged Forks (Includes Expanded Insulated) | 26-22                 | 3/16                               | X           |        |        |        |                             |        |        |        |         |         | X       |         |         |         |                                       | X        |          |          |                   |          |
|                                                                                                                                                      | 22-18                 | 7/32                               | X           |        |        |        |                             |        | X      |        |         |         |         | X       | X       |         |                                       | X        |          | X        |                   |          |
|                                                                                                                                                      | 16-14                 | 7/32                               | X           |        |        |        |                             |        | X      | X      |         |         |         | X       | X       |         |                                       | X        |          | X        |                   |          |
|                                                                                                                                                      | 12-10                 | 9/32                               | X           |        |        |        |                             |        |        | X      |         |         |         | X       | X       |         |                                       |          |          | X        |                   |          |
| PN-HDR, PN-HDRX – Nylon Insulated Heavy Duty & Nylon Expanded Insulated Heavy Duty Rings                                                             | 16-12                 | 9/32                               |             |        |        |        |                             |        |        | X      |         |         |         |         | X       | X       |                                       |          |          | X        |                   |          |
| PN-SLF, PNF-SLF – Nylon Insulated Short Locking Forks                                                                                                | 22-18                 | 7/32                               |             |        |        |        |                             |        |        |        |         |         |         | X       | X       |         |                                       | X        |          | X        |                   |          |
|                                                                                                                                                      | 16-14                 | 7/32                               |             |        |        |        |                             |        |        | X      |         |         |         | X       | X       |         |                                       | X        |          | X        |                   |          |
|                                                                                                                                                      | 12-10                 | 9/32                               |             |        |        |        |                             |        |        | X      |         |         |         | X       | X       |         |                                       |          |          | X        |                   |          |

## PANDUIT Installation Tooling for Terminals, Disconnects and Splices (continued)

|                                                                                                |       |      |   |   |   |   |  |  |   |   |  |   |   |   |   |  |   |   |   |                |
|------------------------------------------------------------------------------------------------|-------|------|---|---|---|---|--|--|---|---|--|---|---|---|---|--|---|---|---|----------------|
| PS – Non-Insulated Parallel Splices                                                            | 22-18 | 5/16 | X |   | X | X |  |  |   |   |  |   |   |   |   |  |   |   |   |                |
|                                                                                                | 20-16 | 5/16 | X |   | X | X |  |  |   |   |  |   |   |   |   |  |   |   |   |                |
|                                                                                                | 14-12 | 7/16 | X |   | X | X |  |  |   |   |  |   |   |   |   |  |   |   |   |                |
| PSN – Nylon Insulated Parallel Splices                                                         | 22-18 | 5/16 |   |   |   |   |  |  |   |   |  | X |   |   |   |  |   |   |   |                |
|                                                                                                | 20-16 | 5/16 | X | X |   | X |  |  |   |   |  | X |   |   |   |  |   |   |   |                |
|                                                                                                | 14-12 | 7/16 |   |   |   |   |  |  |   |   |  | X |   |   |   |  |   |   |   |                |
| PV-HDR, PV-HDRX – Vinyl Insulated Heavy Duty Rings                                             | 16-12 | 5/16 |   |   |   |   |  |  | X |   |  |   | X | X |   |  |   |   | X |                |
| PV-LF, PV-LFX – Vinyl Insulated Locking Forks (includes Expanded Insulation)                   | 22-18 | 5/16 | X |   |   | X |  |  | X |   |  |   | X | X |   |  | X |   | X |                |
|                                                                                                | 16-14 | 5/16 | X |   |   |   |  |  | X | X |  |   | X | X |   |  | X |   | X |                |
|                                                                                                | 12-10 | 5/16 | X |   | X |   |  |  | X |   |  |   | X | X |   |  |   |   | X |                |
| PV-P – Vinyl Insulated Pin Terminals                                                           | 22-18 | 5/16 | X | X |   | X |  |  |   |   |  |   | X | X |   |  | X |   | X |                |
|                                                                                                | 16-14 | 5/16 | X | X |   | X |  |  |   |   |  |   | X | X |   |  | X |   | X |                |
|                                                                                                | 12-10 | 5/16 | X | X |   | X |  |  |   |   |  |   | X | X |   |  |   |   | X |                |
| PV-R, PV-F, PV-FF, PV-RX, PV-FX – Vinyl Insulated Rings & Forks (includes Expanded Insulation) | 26-22 | 3/16 | X |   |   |   |  |  |   |   |  | X |   |   |   |  |   | X |   |                |
|                                                                                                | 22-18 | 5/16 | X | X |   | X |  |  | X |   |  |   | X | X |   |  | X |   | X |                |
|                                                                                                | 16-14 | 5/16 | X | X |   | X |  |  | X | X |  |   | X | X |   |  | X |   | X |                |
|                                                                                                | 12-10 | 5/16 | X | X |   | X |  |  | X |   |  |   | X | X |   |  |   |   | X |                |
| PV-R, PV-RX – Vinyl Insulated Large Ring Terminals                                             | 8     | 3/8  |   |   |   |   |  |  |   |   |  |   |   |   |   |  |   |   |   | X <sup>†</sup> |
|                                                                                                | 6     | 7/16 |   |   |   |   |  |  |   |   |  |   |   |   |   |  |   |   |   | X <sup>†</sup> |
|                                                                                                | 4     | 1/2  |   |   |   |   |  |  |   |   |  |   |   |   |   |  |   |   |   | X <sup>†</sup> |
|                                                                                                | 2     | 1/2  |   |   |   |   |  |  |   |   |  |   |   |   |   |  |   |   |   | X <sup>†</sup> |
| PV-SLF – Vinyl Insulated Short Locking Forks                                                   | 22-18 | 5/16 |   |   |   |   |  |  | X |   |  |   |   | X | X |  |   | X |   |                |
|                                                                                                | 16-14 | 5/16 |   |   |   |   |  |  | X | X |  |   |   | X | X |  |   | X |   |                |
|                                                                                                | 12-10 | 5/16 |   |   |   |   |  |  | X |   |  |   |   | X | X |  |   |   | X |                |

\*KYNAR is a registered trademark of Atofina Chemicals, Inc.

†Use Die CD-700P-8-2

## PANDUIT Installation Tooling for Tubular Ring Terminals

| Tooling                         | CT-1700                                                                     | CT-720                 | CT-930,<br>CT-930CH,<br>CT-920,<br>CT-920CH,<br>CT-2920,<br>CT-940CH | CT-980,<br>CT-980CH,<br>CT-2950,<br>CT-2980 | CT-2001                   |
|---------------------------------|-----------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------|---------------------------------------------|---------------------------|
| <b>PANDUIT®<br/>Part Number</b> | <b>PANDUIT® Die Part Number<br/>Die Index Number<br/>(Number of Crimps)</b> |                        |                                                                      |                                             |                           |
| S8-10R-Q                        | P21<br>(2)                                                                  | CD-720-1<br>P21<br>(1) | CD-920-8<br>P21<br>(1)                                               | —                                           | CD-2001-8<br>P21<br>(1)   |
| S8-14R-Q                        |                                                                             |                        |                                                                      |                                             |                           |
| S8-56R-Q                        |                                                                             |                        |                                                                      |                                             |                           |
| S8-38R-Q                        |                                                                             |                        |                                                                      |                                             |                           |
| S6-10R-E                        | P24<br>(2)                                                                  | CD-720-1<br>P24<br>(1) | CD-920-6<br>P24<br>(1)                                               | —                                           | CD-2001-6<br>P24<br>(1)   |
| S6-14R-E                        |                                                                             |                        |                                                                      |                                             |                           |
| S6-56R-E                        |                                                                             |                        |                                                                      |                                             |                           |
| S6-38R-E                        |                                                                             |                        |                                                                      |                                             |                           |
| S4-10R-E                        | P29<br>(2)                                                                  | CD-720-1<br>P29<br>(1) | CD-920-4<br>P28<br>(1)                                               | STD<br>(1)                                  | CD-2001-4<br>P29<br>(1)   |
| S4-14R-E                        |                                                                             |                        |                                                                      |                                             |                           |
| S4-56R-E                        |                                                                             |                        |                                                                      |                                             |                           |
| S4-38R-E                        |                                                                             |                        |                                                                      |                                             |                           |
| S2-10R-X                        | P37<br>(3)                                                                  | CD-720-2<br>P37<br>(1) | CD-920-1<br>P37<br>(1)                                               | STD<br>(1)                                  | CD-2001-1<br>P37<br>(1)   |
| S2-14R-X                        |                                                                             |                        |                                                                      |                                             |                           |
| S2-56R-X                        |                                                                             |                        |                                                                      |                                             |                           |
| S2-38R-X                        |                                                                             |                        |                                                                      |                                             |                           |
| S2-12R-X                        | —                                                                           | CD-720-2<br>P42<br>(1) | CD-920-1/0<br>P42<br>(1)                                             | STD<br>(1)                                  | CD-2001-1/0<br>P42<br>(1) |
| S1/0-14R-X                      |                                                                             |                        |                                                                      |                                             |                           |
| S1/0-56R-X                      |                                                                             |                        |                                                                      |                                             |                           |
| S1/0-38R-X                      |                                                                             |                        |                                                                      |                                             |                           |
| S2/0-14R-X                      | —                                                                           | CD-720-2<br>P45<br>(2) | CD-920-2/0<br>P45<br>(1)                                             | STD<br>(1)                                  | CD-2001-2/0<br>P45<br>(2) |
| S2/0-56R-X                      |                                                                             |                        |                                                                      |                                             |                           |
| S2/0-38R-X                      |                                                                             |                        |                                                                      |                                             |                           |
| S2/0-76R-X                      |                                                                             |                        |                                                                      |                                             |                           |
| S2/0-12R-X                      | —                                                                           | CD-720-2<br>P50<br>(2) | CD-920-3/0<br>P50<br>(1)                                             | STD<br>(1)                                  | CD-2001-3/0<br>P50<br>(2) |
| S3/0-14R-5                      |                                                                             |                        |                                                                      |                                             |                           |
| S3/0-56R-5                      |                                                                             |                        |                                                                      |                                             |                           |
| S3/0-38R-5                      |                                                                             |                        |                                                                      |                                             |                           |
| S4/0-38R-5                      | —                                                                           | CD-720-3<br>P54<br>(2) | CD-920-4/0<br>P54<br>(1)                                             | STD<br>(1)                                  | CD-2001-4/0<br>P54<br>(2) |
| S4/0-76R-5                      |                                                                             |                        |                                                                      |                                             |                           |
| S4/0-12R-5                      |                                                                             |                        |                                                                      |                                             |                           |
| S250-56R-5                      |                                                                             |                        |                                                                      |                                             |                           |
| S250-38R-5                      | —                                                                           | CD-720-3<br>P62<br>(2) | CD-920-250<br>P62<br>(1)                                             | STD<br>(1)                                  | CD-2001-250<br>P62<br>(2) |
| S250-76R-5                      |                                                                             |                        |                                                                      |                                             |                           |
| S250-12R-5                      |                                                                             |                        |                                                                      |                                             |                           |

## PANDUIT Installation Tooling for Ferrules

| PANDUIT<br>Ferrule<br>Series | Ferrule<br>Description                                                | Wire<br>Range<br>(AWG) | Wire<br>Range<br>(mm <sup>2</sup> ) | Wire<br>Strip<br>Length | Controlled Cycle<br>Hand Tools |         |         |         |         |  |
|------------------------------|-----------------------------------------------------------------------|------------------------|-------------------------------------|-------------------------|--------------------------------|---------|---------|---------|---------|--|
|                              |                                                                       |                        |                                     |                         | CT-1002                        | CT-1003 | CT-1004 | CT-1005 | CT-1006 |  |
| F                            | Non-Insulated<br>Ferrules                                             | 24-18                  | .25-1.00                            | Varies                  | X                              | X       |         |         |         |  |
|                              |                                                                       | 16-14                  | 1.50-2.00                           |                         | X                              | X       |         |         |         |  |
|                              |                                                                       | 12-10                  | 4.00-6.00                           |                         | X                              | X       |         |         |         |  |
|                              |                                                                       | 8-6                    | 10.0-16.0                           |                         |                                | X       | X       |         |         |  |
|                              |                                                                       | 4-2                    | 25.0-35.0                           |                         |                                |         |         | X       |         |  |
|                              |                                                                       | 1                      | 50.0                                |                         |                                |         |         |         | X       |  |
| FSD, FSF                     | Insulated<br>Single Wire<br>Ferrules (DIN<br>or French<br>color code) | 26-18                  | .41-1.00                            |                         | X                              | X       |         |         |         |  |
|                              |                                                                       | 16-14                  | 1.50-2.00                           |                         | X                              | X       |         |         |         |  |
|                              |                                                                       | 12-10                  | 4.00-6.00                           |                         | X                              | X       |         |         |         |  |
|                              |                                                                       | 8-6                    | 10.0-16.0                           |                         |                                | X       | X       |         |         |  |
|                              |                                                                       | 4-2                    | 25.0-35.0                           |                         |                                |         |         | X       |         |  |
|                              |                                                                       | 1                      | 50.0                                |                         |                                |         |         |         | X       |  |
| FTD                          | Insulated<br>Twin Wire<br>Ferrules                                    | 22-18                  | .50-1.00                            |                         | X                              | X       |         |         |         |  |
|                              |                                                                       | 16-14                  | 1.50-2.00                           |                         | X                              | X       |         |         |         |  |
|                              |                                                                       | 12-10                  | 4.00-6.00                           |                         |                                | X       | X       |         |         |  |

## Termination Tooling

### Hand Operated Plier Type Tools



CT-260

- Installer controlled crimp
- General purpose
- Plier type crimp for #22 thru #10 insulated and non-insulated terminal products



CT-200



CT-160



CT-100

| Part Number   | Part Description                                                                                                                                                                                                                                                                          | Std. Pkg. Qty. |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CT-260</b> | Crimps insulated and non-insulated terminals. Forged steel tool. Cuts wire.                                                                                                                                                                                                               | 1              |
| <b>CT-200</b> | Crimps most <i>PANDUIT</i> #18 – #10 AWG non-insulated terminals, disconnects and splices. Forged steel tool. Cuts wire.                                                                                                                                                                  | 1              |
| <b>CT-160</b> | Crimps most <i>PANDUIT</i> #26 – #10 AWG insulated and non-insulated terminals, disconnects and splices. Cuts three U.S. and three Metric screw sizes. Cuts and strips wire. Has insulation closure pocket.                                                                               | 1              |
| <b>CT-100</b> | Crimps most <i>PANDUIT</i> #26 – #10 AWG insulated and non-insulated terminals, disconnects and splices. Cuts #4, #6, #8 and #10 screw sizes. Cuts and strips wire. Excellent all-around application tool of heat treated finished steel with comfortable cushioned plastic grip handles. | 1              |

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.



## CONTOUR CRIMP™ Controlled Cycle Tools



CT-1525



CT-1550



CT-1551



CT-1700



CT-1014



CT-1570



CT-1701



CT-1015

- Specifically designed for the installation of *PAN-TERM*® terminals, disconnects and splices
- Controlled cycle mechanism assures high quality, consistent terminations
- Ergonomic tool design assures operator comfort, safety, and performance
- Polypropylene handles provide chemical resistance and a cushioned, non-slip grip
- Multi-position locator facilitates a high quality repeatable crimp

| Part Number    | Part Description                                                                                                                                                                                                                                    | Std. Pkg. Qty. |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CT-1525</b> | Crimps <i>PANDUIT</i> #26 – #22 AWG insulated terminals and splices, #22 – #10 AWG fully insulated disconnects and insulated parallel splices. Crimps <i>PANDUIT</i> #22 – #14 AWG barrel insulated disconnects.                                    | 1              |
| <b>CT-1550</b> | Crimps most <i>PAN-TERM</i> ® #22 – #10 AWG nylon and vinyl insulated terminals, splices and disconnects. The CT-1550 has the red/blue pocket closest to the pivot which provides a reduced crimp effort for those who make red/blue terminations.  | 1              |
| <b>CT-1551</b> | Crimps most <i>PAN-TERM</i> ® #22 – #10 AWG nylon and vinyl insulated terminals, splices and disconnects. The CT-1551 has the yellow pocket closest to the pivot which provides a reduced crimp effort for those who make yellow terminations.      | 1              |
| <b>CT-1570</b> | Crimps most <i>PAN-TERM</i> ® #22 – #10 AWG and .5 – 6.0mm non-insulated terminals and disconnects. Crimps <i>PANDUIT</i> #22 – #10 AWG and .5 – 6.0mm non-insulated splices, and #10 AWG compression lugs.                                         | 1              |
| <b>CT-1700</b> | Crimps <i>PANDUIT</i> #8 – #2 AWG non-insulated tubular terminals (S series), #8 – #1 AWG copper lugs and splices, #6 – #4 AWG aluminum lugs and splices and CTAPF copper taps for #14 – #3 AWG. Includes five position, color coded rotating die.  | 1              |
| <b>CT-1701</b> | Crimps <i>PANDUIT</i> #10 – #2 AWG non-insulated large gauge ring terminal (P series). Crimps #8 – #1 AWG copper lugs and splices, and #6 – #4 AWG aluminum lugs and splices, and #14 – #3 AWG CTAPF copper taps. Includes 5 position rotating die. | 1              |
| <b>CT-1014</b> | Crimps <i>PANDUIT</i> #22 – #14 AWG loose piece <i>DISCO-LOK</i> ™ disconnects.                                                                                                                                                                     | 1              |
| <b>CT-1015</b> | Crimps <i>PANDUIT</i> #22 – #14 AWG loose piece <i>SUPRA-GRIP</i> ™ disconnects.                                                                                                                                                                    | 1              |

Prime items appear in **BOLD**.

## Controlled Cycle Crimping Tools



- Speciality crimping tools for fully insulated right angle disconnects and heat shrink insulated terminals, disconnects, and splices.

| Part Number     | Part Description                                                                                | Std. Pkg. Qty. |
|-----------------|-------------------------------------------------------------------------------------------------|----------------|
| <b>CT-300-1</b> | Crimps <i>PANDUIT</i> #22 – #14 AWG fully insulated right angle disconnects. (DNFR-FIB series). | 1              |

## Ferrule End Sleeve Crimping Tools



**CT-1002**



**CT-1003**



**CT-1004**



**CT-1005**



**CT-1006**

- Specifically designed for the installation of *PAN-TERM*® ferrules
- Controlled cycle mechanism assures high quality, consistent terminations
- Ergonomic tool design assures operator comfort, safety and performance
- Multi-position locator facilitates a high quality repeatable crimp

| Part Number    | Part Description                                                                                                                                                                                                                   | Std. Pkg. Qty. |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CT-1002</b> | Crimps <i>PANDUIT</i> #26 – #10 AWG single vinyl insulated ferrules (DIN). #26 – #10 AWG single wire insulated ferrules (French). #22 – #12 AWG vinyl insulated dual-wire ferrules (DIN). #24 – #10 AWG non-insulated ferrules.    | 1              |
| <b>CT-1003</b> | Crimps <i>PANDUIT</i> #22 – #8 AWG single wire insulated ferrules (DIN). #22 – #8 AWG single wire vinyl insulated ferrules (French). #22 – #10 AWG vinyl insulated dual-wire (DIN) ferrules. #22 – #10 AWG non-insulated ferrules. | 1              |
| <b>CT-1004</b> | Crimps <i>PANDUIT</i> #8 – #6 AWG single wire vinyl insulated ferrule (DIN). #8 – #6 AWG single wire vinyl insulated ferrules (French). #10 AWG vinyl insulated dual-wire (DIN) ferrule. #8 – #6 AWG non-insulated ferrules.       | 1              |
| <b>CT-1005</b> | Crimps <i>PANDUIT</i> #4 – #2 AWG single wire vinyl insulated ferrule (DIN). #4 – #2 AWG single wire vinyl insulated ferrules (French). #4 – #2 AWG non-insulated ferrules.                                                        | 1              |
| <b>CT-1006</b> | Crimps <i>PANDUIT</i> #1 AWG single wire vinyl insulated ferrule (DIN) and (French). #1 AWG non-insulated ferrules.                                                                                                                | 1              |

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Cable Stripping Tools for Small Cable Sizes


**CST101**

**CST115**

- Strips and cuts 10 – 20 AWG wire
- Lightweight and durable for comfortable long use
- Rust resistant coating included to improve durability of tool

| Part Number   | Part Description          | Std. Pkg. Qty. |
|---------------|---------------------------|----------------|
| <b>CST101</b> | V notch wire stripper.    | 1              |
| <b>CST115</b> | Plier nose wire stripper. | 1              |

## Cable Stripping Tool for Large Cable Sizes



- Cutting blade provides circular, spiral and in-line insulation cutting
- Cutting blade easily adjusts to proper height to cut insulation without nicking conductor strands
- Unique blade profile for long life, low friction stripping of difficult insulations like rubber and silicon
- Ergonomic shape for safe comfortable use
- Compact design

| Item              | Part Description                                                                                                                           | Std. Pkg. Qty. |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CST114-157</b> | Cable stripping tool for stripping insulation from cables 3/16" to 1 9/16" diameter. Includes replacement cutting blade. Warranty: 90 days | 1              |

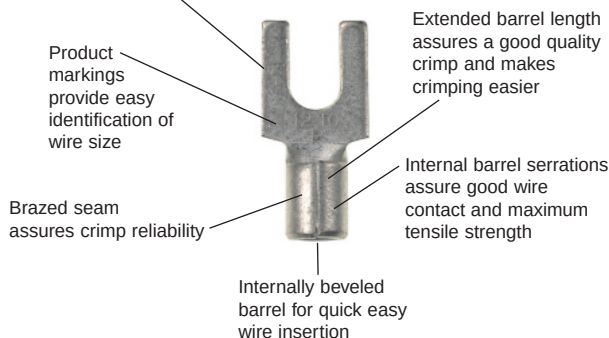
Prime items appear in **BOLD**.

## Features and Benefits — *PAN-TERM*® Terminals

All **PANDUIT** Terminals feature high quality materials made with electrolytic copper for high conductivity and are tin plated for corrosion resistance.

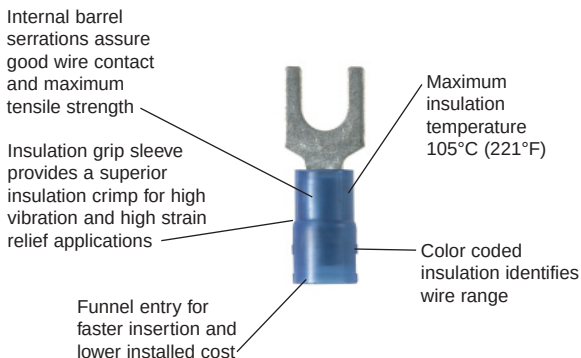
### Non-Insulated Terminals Type P

Maximum recommended operating temperature 150°C (302°F)



UL and CSA rated up to 2000V per UL486A.  
Nickel plated terminals rated up to 343°C (650°F)  
maximum operating temperature.

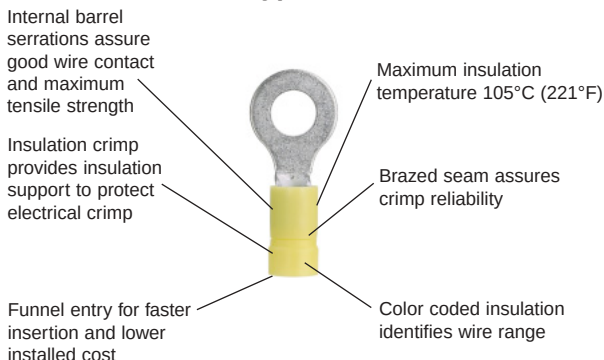
### Nylon Insulated Terminals With Insulation Grip Sleeve Type PN or PNF



UL and CSA rated up to 600V per UL486.  
Flammability – UL94V-2/HB.  
Proprietary blend of UL94V-2 and UL94HB  
flammability rated materials.

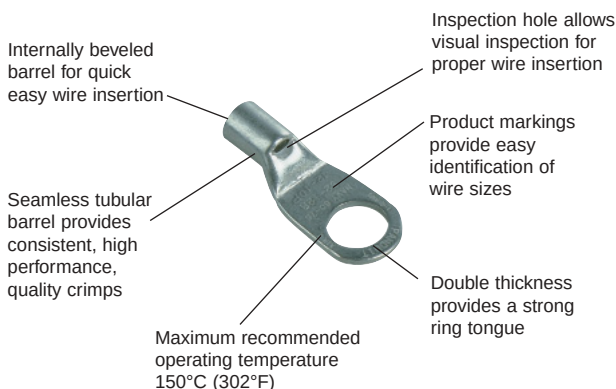
## Features and Benefits – *PAN-TERM*® Terminals (continued)

### Vinyl Insulated Terminals With Insulation Support Type PV



UL and CSA rated up to 600V per UL486.  
Flammability – UL94V-0.

### Non-Insulated Seamless Tubular Terminals Type S



UL and CSA rated up to 2000V per UL486A.

## Ring Terminal, Vinyl Insulated – Funnel Entry



- Insulation support helps to prevent wire damage in bending applications to provide a reliable connection
- Brazed seam protects terminal barrel from splitting during the crimp process



| Part Number        | Stud Size | Wire Range  | Color Code | Tool                                 | Std. Pkg. Qty.** |
|--------------------|-----------|-------------|------------|--------------------------------------|------------------|
| <b>PV18-4R-CY</b>  | #4        | 22 – 18 AWG | Red        | CT-100‡, CT-600‡, CT-1550‡, CT-1551‡ | 100              |
| <b>PV18-6R-CY</b>  | #6        |             |            |                                      | 100              |
| <b>PV18-8R-CY</b>  | #8        |             |            |                                      | 100              |
| <b>PV18-10R-CY</b> | #10       |             |            |                                      | 100              |
| <b>PV18-14R-CY</b> | 1/4"      |             |            |                                      | 100              |
| PV18-56R-CY        | 5/16"     |             |            |                                      | 100              |
| PV18-38R-CY        | 3/8"      |             |            |                                      | 100              |
| <b>PV14-4R-C</b>   | #4        | 16 – 14 AWG | Blue       | CT-100‡, CT-600‡, CT-1550‡, CT-1551‡ | 100              |
| <b>PV14-6RN-C</b>  | #6        |             |            |                                      | 100              |
| <b>PV14-6R-C</b>   | #6        |             |            |                                      | 100              |
| <b>PV14-8R-C</b>   | #8        |             |            |                                      | 100              |
| <b>PV14-10R-C</b>  | #10       |             |            |                                      | 100              |
| <b>PV14-14R-C</b>  | 1/4"      |             |            |                                      | 100              |
| PV14-56R-C         | 5/16"     |             |            |                                      | 100              |
| PV14-38R-L         | 3/8"      | 12 – 10 AWG | Yellow     | CT-100‡, CT-600‡, CT-1550‡, CT-1551‡ | 50               |
| <b>PV10-6R-L</b>   | #6        |             |            |                                      | 50               |
| <b>PV10-8R-L</b>   | #8        |             |            |                                      | 50               |
| <b>PV10-10R-L</b>  | #10       |             |            |                                      | 50               |
| <b>PV10-14R-L</b>  | 1/4"      |             |            |                                      | 50               |
| <b>PV10-56R-L</b>  | 5/16"     |             |            |                                      | 50               |
| <b>PV10-38R-L</b>  | 3/8"      |             |            |                                      | 50               |

\*\*To order in bulk, replace -C or -CY in the part number with -M or -MY for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

‡UL and CSA approved tooling/product combinations.

♦ For a complete line of terminal products, see the *PANDUIT* Electrical Solutions Catalog, SAC-ELCB03 at [www.panduit.com](http://www.panduit.com)

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Multiple Stud Terminal, Vinyl Insulated – Funnel Entry



- Insulation support helps to prevent wire damage in bending applications for a reliable connection
- Brazed seam protects terminal barrel from splitting during the crimp process



| Part Number  | Stud Size   | Wire Range  | Color Code | Tool                                | Std. Pkg. Qty.** |
|--------------|-------------|-------------|------------|-------------------------------------|------------------|
| PV18-610R-CY | #6, #8, #10 | 22 – 18 AWG | Red        | CT-100, CT-600‡, CT-1550‡, CT-1551‡ | 100              |
| PV14-610R-C  |             | 16 – 14 AWG | Blue       |                                     | 100              |
| PV10-610R-L  |             | 12 – 10 AWG | Yellow     |                                     | 50               |

\*\*To order in bulk, replace -C or -CY in the part number with -M or -MY for a bulk package of 1000 and replace -L with -D for a bulk package of 500.  
‡UL and CSA approved tooling/product combinations.

## Ring Terminal, Vinyl Expanded Insulation



- Insulation support helps to prevent wire damage in bending applications
- Brazed seam protects terminal barrel from splitting during the crimp process
- Expanded funnel entry designed to accommodate wire with a larger than standard outside diameter insulation



| Part Number | Stud Size | Wire Range  | Color Code | Tool                                          | Std. Pkg. Qty.** |
|-------------|-----------|-------------|------------|-----------------------------------------------|------------------|
| PV14-10RX-C | #10       | 16 – 14 AWG | Blue       | CT-100‡,<br>CT-600‡,<br>CT-1550‡,<br>CT-1551‡ | 100              |
| PV10-10RX-L | #10       | 12 – 10 AWG | Yellow     |                                               | 50               |
| PV10-14RX-L | 1/4"      |             |            |                                               | 50               |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.  
‡UL and CSA approved tooling/product combinations.

Prime items appear in **BOLD**.

## Ring Terminal, Non-Insulated



- Brazed seam protects terminal barrel from splitting during the crimp process
- Barrel of terminal internally beveled to provide quick and easy wire insertion



| Part Number | Stud Size | Wire Range  | Tool                                         | Std. Pkg. Qty.** |
|-------------|-----------|-------------|----------------------------------------------|------------------|
| P18-6R-C    | #6        | 22 – 18 AWG | CT-100‡,<br>CT-200‡,<br>CT-600‡,<br>CT-1570‡ | 100              |
| P18-8R-C    | #8        |             |                                              | 100              |
| P18-10R-C   | #10       |             |                                              | 100              |
| P18-14R-C   | 1/4"      |             |                                              | 100              |
| P14-6R-C    | #6        | 16 – 14 AWG |                                              | 100              |
| P14-8R-C    | #8        |             |                                              | 100              |
| P14-10R-C   | #10       |             |                                              | 100              |
| P14-14R-C   | 1/4"      |             |                                              | 100              |
| P14-56R-C   | 5/16"     |             |                                              | 100              |
| P14-38R-C   | 3/8"      |             |                                              | 100              |
| P10-6R-L    | #6        | 12 – 10 AWG |                                              | 50               |
| P10-8R-L    | #8        |             |                                              | 50               |
| P10-10R-L   | #10       |             |                                              | 50               |
| P10-14R-L   | 1/4"      |             |                                              | 50               |
| P10-56R-L   | 5/16"     |             |                                              | 50               |
| P10-38R-L   | 3/8"      |             |                                              | 50               |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

‡UL and CSA approved tooling/product combinations.

\*For a complete line of terminal products, see the *PANDUIT* Electrical Solutions Catalog, SA-ELCB03 at [www.panduit.com](http://www.panduit.com)

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.



## Fork Terminal, Vinyl Insulated – Funnel Entry



- Insulation support helps to prevent wire damage in bending applications
- Brazed seam protects terminal barrel from splitting during the crimp process



| Part Number        | Stud Size | Wire Range  | Color Code | Tool                                 | Std. Pkg. Qty.** |
|--------------------|-----------|-------------|------------|--------------------------------------|------------------|
| <b>PV22-6F-C*</b>  | #6        | 26 – 22 AWG | Yellow     | CT-100, CT-600, CT-1525              | 100              |
| <b>PV18-6FN-CY</b> | #6        | 22 – 18 AWG | Red        | CT-100‡, CT-600‡, CT-1550‡, CT-1551‡ | 100              |
| <b>PV18-6F-CY</b>  | #6        |             |            |                                      | 100              |
| <b>PV18-8F-CY</b>  | #8        |             |            |                                      | 100              |
| <b>PV18-10F-CY</b> | #10       |             |            |                                      | 100              |
| <b>PV14-6FN-C</b>  | #6        | 16 – 14 AWG | Blue       | CT-100‡, CT-600‡, CT-1550‡, CT-1551‡ | 100              |
| <b>PV14-6F-C</b>   | #6        |             |            |                                      | 100              |
| <b>PV14-8F-C</b>   | #8        |             |            |                                      | 100              |
| <b>PV14-10FN-C</b> | #10       |             |            |                                      | 100              |
| <b>PV14-10F-C</b>  | #10       |             |            |                                      | 100              |
| <b>PV14-14F-C</b>  | 1/4"      |             |            |                                      | 100              |
| <b>PV10-6F-L</b>   | #6        | 12 – 10 AWG | Yellow     | CT-100‡, CT-600‡, CT-1550‡, CT-1551‡ | 50               |
| <b>PV10-8F-L</b>   | #8        |             |            |                                      | 50               |
| <b>PV10-10F-L</b>  | #10       |             |            |                                      | 50               |
| <b>PV10-14F-L</b>  | 1/4"      |             |            |                                      | 50               |

\*Not UL Listed or CSA Certified.

\*\*To order in bulk, replace -C or -CY in the part number with -M or -MY for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

‡UL and CSA approved tooling/product combinations.

Prime items appear in **BOLD**.

## Fork Terminal, Non-Insulated



- Brazed seam protects terminal barrel from splitting during the crimp process
- Barrel of terminal internally beveled to provide quick and easy wire insertion



| Part Number      | Stud Size | Wire Range  | Tool                                          | Std. Pkg. Qty.** |
|------------------|-----------|-------------|-----------------------------------------------|------------------|
| <b>P22-4F-C*</b> | #4        | 26 – 22 AWG | CT-100, CT-200                                | 100              |
| <b>P18-6FN-C</b> | #6        | 22 – 18 AWG | CT-100‡, CT-200‡, CT-600‡, CT-1570‡           | 100              |
| <b>P18-6F-C</b>  | #6        |             |                                               | 100              |
| <b>P18-8F-C</b>  | #8        |             |                                               | 100              |
| <b>P18-10F-C</b> | #10       |             |                                               | 100              |
| <b>P14-6F-C</b>  | #6        | 16 – 14 AWG | CT-100‡, CT-200‡, CT-600‡, CT-1570‡           | 100              |
| <b>P14-8F-C</b>  | #8        |             |                                               | 100              |
| <b>P14-10F-C</b> | #10       |             |                                               | 100              |
| <b>P10-6F-L</b>  | #6        | 12 – 10 AWG | CT-100‡, CT-200‡, CT-600‡, CT-1570‡, CT-1701‡ | 50               |
| <b>P10-8F-L</b>  | #8        |             |                                               | 50               |
| <b>P10-10F-L</b> | #10       |             | CT-100‡, CT-200‡, CT-600‡, CT-1570‡, CT-1701‡ | 50               |

\*Not UL Listed or CSA Certified.

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

‡UL and CSA approved tooling/product combinations.

\*For a complete line of terminal products, see the *PANDUIT* Electrical Solutions Catalog, SA-ELCB03 at [www.panduit.com](http://www.panduit.com)

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Locking Fork Terminal, Vinyl Insulated – Funnel Entry



- Insulation support helps to prevent wire damage in bending applications
- Brazed seam protects terminal barrel from splitting during the crimp process



| Part Number         | Stud Size | Wire Range  | Color Code | Tool                                 | Std. Pkg. Qty. |
|---------------------|-----------|-------------|------------|--------------------------------------|----------------|
| <b>PV18-6LF-CY</b>  | #6        | 22 – 18 AWG | Red        | CT-100‡, CT-600‡, CT-1550‡, CT-1551‡ | 100            |
| <b>PV18-8LF-CY</b>  | #8        |             |            |                                      | 100            |
| <b>PV18-10LF-CY</b> | #10       |             |            |                                      | 100            |
| <b>PV14-6LF-C</b>   | #6        | 16 – 14 AWG | Blue       | CT-100‡, CT-600‡, CT-1550‡, CT-1551‡ | 100            |
| <b>PV14-8LF-C</b>   | #8        |             |            |                                      | 100            |
| <b>PV14-10LF-C</b>  | #10       |             |            |                                      | 100            |
| <b>PV10-6LF-L</b>   | #6        | 12 – 10 AWG | Yellow     | CT-100‡, CT-600‡, CT-1550‡, CT-1551‡ | 50             |
| <b>PV10-8LF-L</b>   | #8        |             |            |                                      | 50             |
| <b>PV10-10LF-L</b>  | #10       |             |            |                                      | 50             |
| <b>PV10-14LF-L</b>  | 1/4"      |             |            |                                      | 50             |

\*\*To order in bulk, replace -C or -CY in the part number with -M or -MY for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

‡UL and CSA approved tooling/product combinations.

## Locking Fork Terminal, Non-Insulated



- Brazed seam protects terminal barrel from splitting during the crimp process
- Barrel of terminal internally beveled to provide quick and easy wire insertion



| Part Number       | Stud Size | Wire Range  | Tool                                          | Std. Pkg. Qty.** |
|-------------------|-----------|-------------|-----------------------------------------------|------------------|
| <b>P18-6LF-C</b>  | #6        | 22 – 18 AWG | CT-100‡, CT-200‡, CT-600‡, CT-1570‡           | 100              |
| <b>P14-6LF-C</b>  | #6        | 16 – 14 AWG | CT-100‡, CT-200‡, CT-600‡, CT-1570‡           | 100              |
| <b>P10-10LF-L</b> | #10       | 12 – 10 AWG | CT-100‡, CT-200‡, CT-600‡, CT-1570‡, CT-1701‡ | 50               |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

‡UL and CSA approved tooling/product combinations.

Prime items appear in **BOLD**.

## Pin Terminal, Vinyl Insulated – Funnel Entry



- Insulation support helps to prevent wire damage in bending applications for a reliable connection
- Brazed seam protects terminal barrel from splitting during the crimp process
- Solid pin designed to prevent damage to the wire from over tightening, resulting in a reliable electrical connection

| Part Number        | Stud Size | Wire Range  | Tool                             | Std. Pkg. Qty. |
|--------------------|-----------|-------------|----------------------------------|----------------|
| <b>PV18-P47-CY</b> | —         | 22 – 18 AWG | CT-100, CT-260, CT-1550, CT-1551 | 100            |
| <b>PV14-P47-C</b>  | —         | 16 – 14 AWG | CT-100, CT-260, CT-1550, CT-1551 | 100            |
| <b>PV10-P55-L</b>  | —         | 12 – 10 AWG | CT-100, CT-260, CT-1550, CT-1551 | 50             |

\*\*To order in bulk, replace -C or -CY in the part number with -M or -MY for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

## Pin Terminal, Non-Insulated



- Brazed seam protects terminal barrel from splitting during the crimp process
- Barrel of terminal internally beveled to provide quick and easy wire insertion
- Solid pin designed to prevent damage to the wire from over tightening, resulting in a reliable electrical connection

| Part Number      | Stud Size | Wire Range  | Tool                            | Std. Pkg. Qty.** |
|------------------|-----------|-------------|---------------------------------|------------------|
| <b>P18-P47-C</b> | —         | 22 – 18 AWG | CT-100, CT-200, CT-260, CT-1570 | 100              |
| <b>P14-P47-C</b> | —         | 16 – 14 AWG | CT-100, CT-200, CT-260, CT-1570 | 100              |
| <b>P10-P55-L</b> | —         | 12 – 10 AWG | CT-100, CT-200, CT-260, CT-1570 | 50               |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

\*For a complete line of terminal products, see the *PANDUIT* Electrical Solutions Catalog, SA-ELCB03 at [www.panduit.com](http://www.panduit.com)

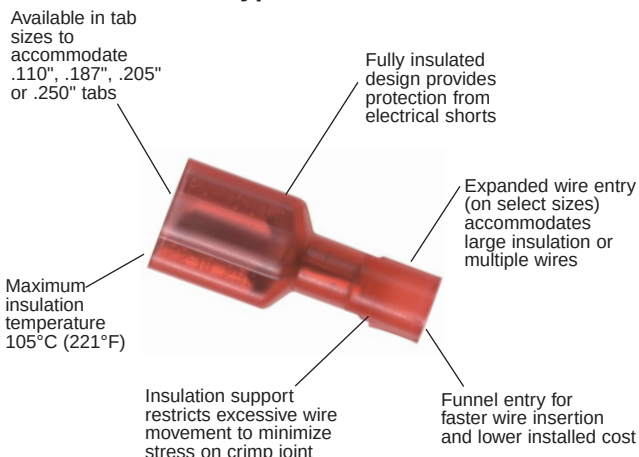
Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Features and Benefits — *PAN-TERM*® Disconnects

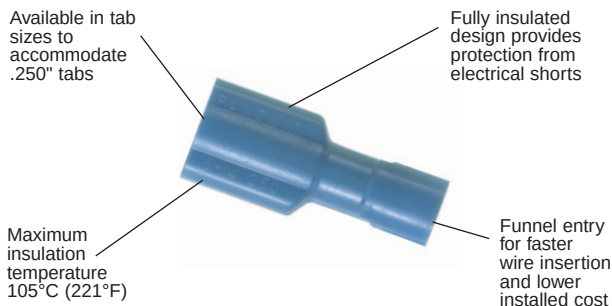
*PAN-TERM*® disconnects are fabricated from brass and are electro-tin plated for a long, corrosion resistant operating life.

### Nylon Fully Insulated Female Receptacles and Male Tabs Type DNF-FIB



UL and CSA rated up to 600V per UL310.

### *DISCO-GRIP*™ Premium Nylon Fully Insulated Female Receptacles and Male Tabs Type DNF and DPF



UL and CSA rated up to 600V per UL310.

Male products available .250" width in standard and oversized housing configurations.



## Features and Benefits — *PAN-TERM*® Disconnects (continued)

### *SUPRA-GRIP*™ Nylon Fully Insulated Female Disconnects Type DNG-FB

Available in tab sizes to accommodate .187" or .250" tabs

Maximum insulation temperature 105°C (221°F)

Fully integrated metal insulation grip for high vibration, high strain relief, and double crimp requirements

Fully insulated design provides protection from electrical shorts

Funnel entry for faster wire insertion and lower installed cost



UL and CSA rated up to 600V per UL310.

### *DISCO-LOK*™ Nylon Fully Insulated Locking Female Disconnects Type DNG-FL

Available in tab sizes to accommodate .250" tabs

Maximum insulation temperature 105°C (221°F)

Insulation grip sleeve provides a superior insulation crimp for high vibration and high strain relief applications

Unique locking mechanism allows for low insertion forces (mating) and positive locking for secure connections

Funnel entry for faster wire insertion and lower installed cost



UL and CSA rated up to 300V.

## Features and Benefits – *PAN-TERM*® Disconnects (continued)

### Nylon Barrel Insulated Female Receptacles and Male Tabs Type DNF

Available in tab sizes to accommodate .110", .187", .205" or .250" tabs

Maximum insulation temperature 105°C (221°F)

Insulation grip sleeve provides a superior insulation crimp for high vibration and high strain relief applications

Funnel entry for faster wire insertion and lower installed cost



UL and CSA rated up to 300V.  
Male products available .250" width.

### Vinyl Barrel Insulated Female Receptacles and Male Tabs Type DV and DVF

Available in tab sizes to accommodate .187", .205" or .250" tabs

Maximum insulation temperature 105°C (221°F)

Insulation support to protect electrical crimp



UL and CSA rated up to 600V.  
Male products available .250" width.  
Flammability – UL94V-0.

### Non-Insulated Female Receptacles and Male Tabs Type D

Available in tab sizes to accommodate .187" or .250" tabs

Sleeved barrel assures crimp reliability

Maximum recommended operating temperature 150°C (302°F)



Male products available .250" width.

## PAN-TERM® Disconnects

### Female Disconnect Nylon Fully Pre-Insulated – Funnel Entry



- Insulation support helps to prevent wire damage in bending applications
- Internal wire stop assures proper length of insertion into terminal barrel



| Part Number           | Tab Size (In.) | Wire Range  | Color Code | Tool                     | Std. Pkg. Qty.** |
|-----------------------|----------------|-------------|------------|--------------------------|------------------|
| DNF18-110FIB-C        | .110 x .032    | 22 – 18 AWG | Red        | CT-100, CT-600, CT-1525‡ | 100              |
| DNF18-111FIB-C        | .110 x .020    |             |            |                          | 100              |
| DNF18-187FIB-C        | .187 x .032    |             |            |                          | 100              |
| DNF18-188FIB-C        | .187 x .020    |             |            |                          | 100              |
| DNF18-205FIB-C        | .205 x .032    |             |            |                          | 100              |
| DNF18-206FIB-C        | .205 x .020    |             |            |                          | 100              |
| <b>DNF18-250FIB-C</b> | .250 x .032    |             |            |                          | 100              |
| DNF14-187FIB-C        | .187 x .032    | 16 – 14 AWG | Blue       | CT-100, CT-600, CT-1525‡ | 100              |
| DNF14-188FIB-C        | .187 x .020    |             |            |                          | 100              |
| DNF14-205FIB-C        | .205 x .032    |             |            |                          | 100              |
| DNF14-206FIB-C        | .205 x .020    |             |            |                          | 100              |
| <b>DNF14-250FIB-C</b> | .250 x .032    |             |            |                          | 100              |
| DNF10-250FIB-L        | .250 x .032    | 12 – 10 AWG | Yellow     | CT-1525‡                 | 50               |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

‡UL and CSA approved tooling/product combinations.

\*For a complete line of terminal products, see the *PANDUIT* Electrical Solutions Catalog, SA-ELCB03 at [www.panduit.com](http://www.panduit.com)

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.



## Male/Female Coupler, Nylon Fully Pre-Insulated – Funnel Entry



- Insulation support helps to prevent wire damage in bending applications
- Internal wire stop assures proper length of insertion into terminal barrel



| Part Number             | Tab Size (In.) | Wire Range  | Color Code | Tool                                                   | Std. Pkg. Qty.** |
|-------------------------|----------------|-------------|------------|--------------------------------------------------------|------------------|
| <b>DNF18-250FIM-C</b>   | .250 x .032    | 22 – 18 AWG | Red        | CT-100‡, CT-600, CT-1525‡                              | 100              |
| DNF18-250FIB-C          |                |             |            | CT-100, CT-600, CT-1525‡                               | 100              |
| <b>DNF14-250FIM-C</b>   | .250 x .032    | 16 – 14 AWG | Blue       | CT-600, CT-1525‡                                       | 100              |
| DNF14-250FIMB-L         |                |             |            | CT-1525‡                                               | 50               |
| <b>DNF10-250FIMB-L*</b> | .250 x .032    | 12 – 10 AWG | Yellow     | CT-600‡, CT-1550‡, CT-1551‡                            | 50               |
| <b>DNF10-250FI-L</b>    |                |             |            | CT-100‡, CT-460‡, CT-550‡, CT-600‡, CT-1550‡, CT-1551‡ | 50               |

\*UL Listed only.

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

‡UL and CSA approved tooling/product combinations.

## Female Disconnect, Vinyl Barrel Insulated – Butted Seam



- Insulation support helps to prevent wire damage in bending applications



\*Recognized

| Part Number         | Tab Size (In.) | Wire Range  | Color Code | Tool     | Std. Pkg. Qty.** |
|---------------------|----------------|-------------|------------|----------|------------------|
| DV18-187B-CY        | .187 x .032    | 22 – 18 AWG | Red        | CT-1525‡ | 100              |
| DV18-188B-CY        | .187 x .020    |             |            |          | 100              |
| <b>DV18-250B-CY</b> | .250 x .032    |             |            |          | 100              |
| DV14-187B-C*        | .187 x .032    | 16 – 14 AWG | Blue       | CT-1525^ | 100              |
| DV14-188B-C*        | .187 x .020    |             |            |          | 100              |
| DV14-205B-C*        | .205 x .032    |             |            |          | 100              |
| <b>DV14-250B-C*</b> | .250 x .032    |             |            |          | 100              |

\*UL Recognized and CSA approved.

\*\*To order in bulk, replace -C or -CY in the part number with -M or -MY for a bulk package of 1000.

^CSA approved tooling/product combinations.

‡UL and CSA approved tooling/product combinations.

Prime items appear in **BOLD**.



## Female Disconnect, Non-Insulated – Butted Seam



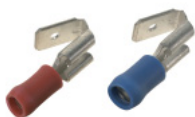
- Non-insulated barrel can be used to provide an economical termination when insulation is not required



| Part Number       | Tab Size (In.) | Wire Range  | Tool   | Std. Pkg. Qty.** |
|-------------------|----------------|-------------|--------|------------------|
| <b>D14-250B-C</b> | .250 x .032    | 16 – 14 AWG | CT-100 | 100              |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000.

## Piggyback Disconnect, Vinyl Insulated



- Metal insulation grip sleeve crimps to wire insulation providing protection to the crimp joint during high vibration applications
- Combination of female disconnect and male tab allows versatility in points of connection
- Multiple connection points allow additional circuits to be added to existing equipment without expensive rework



| Part Number         | Tab Size (In.) | Wire Range  | Color Code | Tool                                      | Std. Pkg. Qty.** |
|---------------------|----------------|-------------|------------|-------------------------------------------|------------------|
| <b>DV18-250P-CY</b> | .250 x .032    | 22 – 18 AWG | Red        | CT-100,<br>CT-260,<br>CT-1550,<br>CT-1551 | 100              |
| <b>DV14-250P-C</b>  |                | 16 – 14 AWG | Blue       |                                           | 100              |

\*\*To order in bulk, replace -C or -CY in the part number with -M or -MY for a bulk package of 1000.

## Disconnect Adapter, Non-Insulated



- Converts one male tab to two male tabs, allowing two female disconnects to be connected to the same circuit

| Part Number     | Tab Size (In.) | Wire Range | Std. Pkg. Qty.** |
|-----------------|----------------|------------|------------------|
| <b>D-250A-C</b> | .250 x .032    | —          | 100              |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000.

♦For a complete line of terminal products, see the *PANDUIT* Electrical Solutions Catalog, SA-ELCB03 at [www.panduit.com](http://www.panduit.com)

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Right Angle Female Disconnect, Nylon Fully Insulated – Funnel Entry



- Insulation support helps to prevent wire damage in bending applications
- Right angle design allows low profile routing of wire in limited application space



| Part Number            | Tab Size (In.) | Wire Range  | Color Code | Tool     | Std. Pkg. Qty.** |
|------------------------|----------------|-------------|------------|----------|------------------|
| <b>DNFR18-250FIB-C</b> | .250 x .032    | 22 – 18 AWG | Red        | CT-300-1 | 100              |
| <b>DNFR14-250FIB-C</b> | .250 x .032    | 16 – 14 AWG | Blue       | CT-300-1 | 100              |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000.

## Right Angle Female Disconnect, Nylon Insulated – Funnel Entry



- Insulation support helps to prevent wire damage in bending applications
- Right angle design allows low profile routing of wire in limited application space



| Part Number          | Tab Size (In.) | Wire Range  | Color Code | Tool     | Std. Pkg. Qty.** |
|----------------------|----------------|-------------|------------|----------|------------------|
| <b>DNFR18-250B-C</b> | .250 x .032    | 22 – 18 AWG | Red        | CT-1525‡ | 100              |
| <b>DNFR14-250B-C</b> | .250 x .032    | 16 – 14 AWG | Blue       | CT-1525‡ | 100              |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000.

‡UL and CSA approved tooling/product combinations.

Prime items appear in **BOLD**.

## Right Angle Female Disconnect, Non-Insulated – Metal Sleeve



- Sleeved barrel helps to facilitate high mechanical and electrical performance when crimping in any orientation



\*Recognized

| Part Number        | Tab Size (In.) | Wire Range  | Tool                                          | Std. Pkg. Qty.** |
|--------------------|----------------|-------------|-----------------------------------------------|------------------|
| <b>DR14-250-C*</b> | .250 x .032    | 16 – 14 AWG | CT-100‡, CT-200‡, CT-600‡, CT-1570‡           | 100              |
| <b>DR10-250-L</b>  | .250 x .032    | 12 – 10 AWG | CT-100‡, CT-200‡, CT-600‡, CT-1570‡, CT-1701‡ | 50               |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

‡UL and CSA approved tooling/product combinations.

## Right Angle Female Disconnect Non-Insulated



- Serrated barrel helps to facilitate high mechanical and electrical performance when crimping in any orientation



| Part Number        | Tab Size (In.) | Wire Range  | Tool           | Std. Pkg. Qty.** |
|--------------------|----------------|-------------|----------------|------------------|
| <b>DR14-250B-C</b> | .250 x .032    | 16 – 14 AWG | CT-100, CT-200 | 100              |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000.

\*For a complete line of terminal products, see the *PANDUIT* Electrical Solutions Catalog, SA-ELCB03 at [www.panduit.com](http://www.panduit.com)

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Male Disconnect, Nylon Barrel Insulated – Funnel Entry



- Metal insulation grip sleeve crimps to wire insulation providing protection to the crimp joint during high vibration applications



| Part Number          | Tab Size (In.) | Wire Range  | Color Code | Tool             | Std. Pkg. Qty.** |
|----------------------|----------------|-------------|------------|------------------|------------------|
| <b>DNF18-250M-C</b>  | .250 x .032    | 22 – 18 AWG | Red        | CT-1550, CT-1551 | 100              |
| <b>DNF14-250M-C</b>  | .250 x .032    | 16 – 14 AWG | Blue       |                  | 100              |
| <b>DNF10-250M-L*</b> | .250 x .032    | 12 – 10 AWG | Yellow     |                  | 50               |

\*Not CSA Certified.

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

## Male Disconnect, Vinyl Barrel Insulated – Funnel Entry



- Butted seam offers an economical solution for less demanding applications



| Part Number          | Tab Size (In.) | Wire Range  | Color Code | Tool             | Std. Pkg. Qty.** |
|----------------------|----------------|-------------|------------|------------------|------------------|
| <b>DV18-250MB-CY</b> | .250 x .032    | 22 – 18 AWG | Red        | CT-1550, CT-1551 | 100              |
| <b>DV14-250MB-C</b>  | .250 x .032    | 16 – 14 AWG | Blue       |                  | 100              |

\*\*To order in bulk, replace -C or -CY in the part number with -M or -MY for a bulk package of 1000.

Prime items appear in **BOLD**.

## Male Disconnect, Non-Insulated – Butted Seam



- Butted seam offers an economical solution for less demanding applications

| Part Number | Tab Size (In.) | Wire Range  | Tool   | Std. Pkg. Qty.** |
|-------------|----------------|-------------|--------|------------------|
| D14-250MB-C | .250 x .032    | 16 – 14 AWG | CT-100 | 100              |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000.

## Male Blade Adapter, Vinyl Insulated – Funnel Entry



- Brazed seam protects terminal barrel from splitting during the crimp process
- Flat blade design to prevent damage to the wire from over tightening, resulting in a reliable electrical connection
- Designed specifically for blade-type terminal blocks
- Insulation support helps to prevent wire damage in bending applications



\*Recognized

| Part Number  | Tab Size (In.) | Wire Range  | Color Code | Tool                          | Std. Pkg. Qty. |
|--------------|----------------|-------------|------------|-------------------------------|----------------|
| DV18-145M-CY | .145 x .032    | 22 – 18 AWG | Red        | CT-600,<br>CT-1550†, CT-1551† | 100            |
| DV14-145M-C  | .145 x .032    | 16 – 14 AWG | Blue       |                               | 100            |

\*\*To order in bulk, replace -C or -CY in the part number with -M or -MY for a bulk package of 1000.

†UL and CSA approved tooling/product combinations.

\*For a complete line of terminal products, see the *PANDUIT* Electrical Solutions Catalog, SA-ELCB03 at [www.panduit.com](http://www.panduit.com)

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Features and Benefits – *PAN-TERM*® Splices

### Non-Insulated Parallel Splices Type PS

Seamless  
tubular barrel  
provides  
consistent high  
performance  
quality crimps



Maximum  
recommended  
operating  
temperature  
150°C (302°F)

Only one crimp  
needed to  
complete splice



UL and CSA rated up to 300V.

### Nylon Parallel Splices Type PSN

Maximum insulation  
temperature 105°C  
(221°F)



Only one  
crimp needed  
to complete  
splice



## Features and Benefits – *PAN-TERM*® Splices (continued)

### Nylon Butt Splices Type BSN

Internal wire stops assure proper insertion length



Maximum insulation temperature 105°C (221°F)

Brazed seam assures crimp reliability



UL and CSA rated up to 600V.

### Vinyl Butt Splices Type BSV

Internal wire stops assure proper insertion length



Maximum insulation temperature 105°C (221°F)

Brazed seam assures crimp reliability

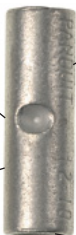
Expanded wire entry accommodates larger insulation



UL and CSA rated up to 600V.  
Flammability – UL94V-0.  
Metric versions available.

### Non-Insulated Butt Splices Type BS

Internal wire stops assure proper insertion length



Brazed seam assures crimp reliability

Maximum recommended operating temperature 150°C (302°F)

Internally beveled barrel for quick easy wire insertion

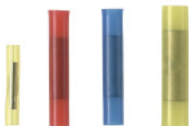


UL and CSA rated up to 600V.  
Metric versions available.



## PAN-TERM® Splices

### Butt Splice, Nylon Insulated



- Brazed seam protects terminal barrel from splitting during the crimp process
- Internal wire stop assures proper length of insertion into terminal barrel



| Part Number     | Wire Range  | Color Code | Tool                                | Std. Pkg. Qty.** |
|-----------------|-------------|------------|-------------------------------------|------------------|
| <b>BSN22-C*</b> | 26 – 22 AWG | Yellow     | CT-100, CT-1525                     | 100              |
| <b>BSN18-C</b>  | 22 – 18 AWG | Red        | CT-100, CT-600,<br>CT-1550, CT-1551 | 100              |
| <b>BSN14-C</b>  | 16 – 14 AWG | Blue       |                                     | 100              |
| <b>BSN10-L</b>  | 12 – 10 AWG | Yellow     |                                     | 50               |

\*Not UL Listed.

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

### Butt Splice, Vinyl Insulated



- Expanded funnel entry designed to accommodate wire with a larger than standard outside diameter insulation
- Insulation support helps to prevent wire damage in bending applications
- Internal wire stop assures proper length of insertion into terminal barrel



| Part Number      | Wire Range  | Color Code | Tool                                | Std. Pkg. Qty. |
|------------------|-------------|------------|-------------------------------------|----------------|
| <b>BSV18X-CY</b> | 22 – 18 AWG | Red        | CT-100, CT-600,<br>CT-1550, CT-1551 | 100            |
| <b>BSV14X-C</b>  | 16 – 14 AWG | Blue       |                                     | 100            |
| <b>BSV10X-L</b>  | 12 – 10 AWG | Yellow     |                                     | 50             |

\*\*To order in bulk, replace -C or -CY in the part number with -M or -MY for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

Prime items appear in **BOLD**.

## Butt Splice, Non-Insulated



- Brazed seam protects terminal barrel from splitting during the crimp process
- Internal wire stop assures proper length of insertion into terminal barrel



| Part Number    | Wire Range  | Tool                                      | Std. Pkg. Qty.** |
|----------------|-------------|-------------------------------------------|------------------|
| <b>BS22-C*</b> | 26 – 22 AWG | CT-100                                    | 100              |
| <b>BS18-C</b>  | 22 – 18 AWG | CT-100, CT-200, CT-600, CT-1570           | 100              |
| <b>BS14-C</b>  | 16 – 14 AWG |                                           | 100              |
| <b>BS10-L</b>  | 12 – 10 AWG | CT-100, CT-200, CT-600, CT-1570, CT-1701† | 50               |

\*Not UL Listed.

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

†UL and CSA approved tooling/product combinations.

## Parallel Splice, Nylon Insulated



- Parallel design results in only one crimp required to combine two wires



| Part Number    | Wire Range  | Color Code | Tool            | Std. Pkg. Qty.** |
|----------------|-------------|------------|-----------------|------------------|
| <b>PSN18-C</b> | 22 – 18 AWG | Red        | CT-100, CT-1525 | 100              |
| <b>PSN16-C</b> | 20 – 16 AWG | Blue       |                 | 100              |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000.

## Parallel Splice, Non-Insulated



- Parallel design results in only one crimp required to combine two wires
- Non-insulated barrel can be used to provide an economical termination when insulation is not required



| Part Number   | Wire Range  | Tool           | Std. Pkg. Qty.** |
|---------------|-------------|----------------|------------------|
| <b>PS16-C</b> | 20 – 16 AWG | CT-100, CT-200 | 100              |
| <b>PS12-L</b> | 14 – 12 AWG |                | 50               |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000 and replace -L with -D for a bulk package of 500.

•For a complete line of terminal products, see the *PANDUIT* Electrical Solutions Catalog, SA-ELCB03 at [www.panduit.com](http://www.panduit.com)

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Features and Benefits — *PAN-TERM*® Wire Joints

### Non-Insulated Wire Joints Type J

Only one crimp  
needed to  
complete splice

Maximum  
recommended  
operating  
temperature  
150°C (302°F)

Internally  
beveled barrel  
for quick easy  
wire insertion



UL and CSA rated up to 600V.

### Nylon Wire Joints Type JN

Fully insulated  
housing protects  
crimp joint

Maximum insulation  
temperature 105°C  
(221°F)

Only one  
crimp needed  
to complete  
splice

Deep skirt to  
accommodate  
multiple variations of  
wire combinations



UL and CSA rated up to 600V  
Metric versions available

## PAN-TERM® Wire Joints

### Wire Joint, Nylon Insulated



- Large barrel designed to accommodate multiple combinations of wires (up to seven wires) with just one crimp
- Fully pre-insulated housing designed to protect crimp joint and reduce the potential for shorting and shocks



| Part Number        | Min/Max Wire Range | Color Code | CMA Range |       | Tool                        | Std. Pkg. Qty.** |
|--------------------|--------------------|------------|-----------|-------|-----------------------------|------------------|
|                    |                    |            | Min.      | Max.  |                             |                  |
| <b>JN224-318-C</b> | (2) #24 – (2) #16  | Red        | 808       | 5160  | CT-1550‡, CT-1551‡          | 100              |
| <b>JN218-216-C</b> | (2) #22 – (2) #16  | Clear      | 1284      | 5160  |                             | 100              |
| <b>JN418-212-C</b> | (4) #18 – (2) #12  | Clear      | 6480      | 14750 | CT-100‡, CT-1550‡, CT-1551‡ | 100              |

\*\*To order in bulk, replace -C in the part number with -M for a bulk package of 1000, with exception of JN418-212-C, replace -C with -D for bulk package of 500.

‡UL and CSA approved tooling/product combinations.

### Wire Joint, Non-Insulated



- Large barrel designed to accommodate multiple combinations of wires (up to seven wires) with just one crimp
- Non-insulated barrel can be used to provide an economical termination when insulation is not required



| Part Number       | Min/Max Wire Range | CMA Range |       | Tool             | Std. Pkg. Qty.** |
|-------------------|--------------------|-----------|-------|------------------|------------------|
|                   |                    | Min.      | Max.  |                  |                  |
| <b>J214-312-T</b> | (2) #14 – (3) #12  | 5760      | 19590 | CT-100‡, CT-200‡ | 200              |
| <b>J318-412-T</b> | (3) #18 – (4) #12  | 4860      | 27330 |                  | 200              |

\*\*To order in bulk, replace -T in the part number with -2M for a bulk package of 2000.

‡UL and CSA approved tooling/product combinations.

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Features and Benefits – *PAN-TERM*® Ferrules

*PANDUIT* Ferrules are available for wiring applications from #26 AWG to #1 AWG. Offerings include insulated and non-insulated ferrules, in single-wire or double-wire configurations. Insulated ferrules are color coded to DIN standards.

### Insulated Ferrules – Single Wire Type FSF and FSD

Seamless tubular barrel provides consistent quality crimps

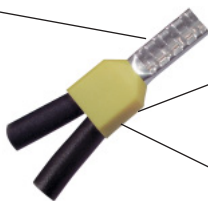


Maximum insulation temperature 89°C (192°F)

Color coded polypropylene identifies wire range. (DIN codes available)

### Insulated Ferrules – Twin Wire Type FTD

Oversized seamless tubular barrel provides consistent, high performance quality crimps for two wire applications



Maximum insulation temperature 89°C (192°F)

Color coded polypropylene identifies wire range. (German and French codes available)

### Non-Insulated Ferrules Type F

Seamless tubular barrel provides consistent quality crimps



Maximum operating temperature 89°C (192°F)

Flared barrel for quick easy wire insertion

## PAN-TERM® Ferrules

### Insulated Ferrules – Single Wire DIN End Sleeve



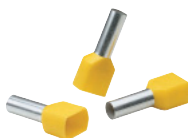
- Molded housing allows easy insertion of wire
- Seamless barrel contains wire strands preventing fraying or bending, resulting in high quality, reliable connections

| Part Number       | Wire Size |                 | Color Code | Pin Length |      | Wire Strip Length |      | Tool             | Std. Pkg. Qty. |
|-------------------|-----------|-----------------|------------|------------|------|-------------------|------|------------------|----------------|
|                   | AWG       | mm <sup>2</sup> |            | In.        | mm   | In.               | mm   |                  |                |
| <b>FSD74-6-D</b>  | 24        | .34             | Turquoise  | .24        | 6.0  | 3/8               | 9.5  | CT-1002          | 500            |
| <b>FSD74-8-D</b>  | AWG       |                 |            | .31        | 8.0  | 15/32             | 11.9 |                  | 500            |
| <b>FSD75-6-D</b>  | 22        | .50             | White      | .24        | 6.0  | 3/8               | 9.5  | CT-1002, CT-1003 | 500            |
| <b>FSD75-8-D</b>  |           |                 |            | .31        | 8.0  | 15/32             | 11.9 |                  | 500            |
| <b>FSD75-10-D</b> |           |                 |            | .39        | 10.0 | 17/32             | 13.5 |                  | 500            |
| <b>FSD76-6-D</b>  | 20        | .75             | Gray       | .24        | 6.0  | 3/8               | 9.5  |                  | 500            |
| <b>FSD76-8-D</b>  |           |                 |            | .31        | 8.0  | 15/32             | 11.9 |                  | 500            |
| <b>FSD77-6-D</b>  | 18        | 1.00            | Red        | .24        | 6.0  | 3/8               | 9.5  |                  | 500            |
| <b>FSD77-8-D</b>  |           |                 |            | .31        | 8.0  | 15/32             | 11.9 |                  | 500            |
| <b>FSD77-10-D</b> |           |                 |            | .39        | 10.0 | 17/32             | 13.5 |                  | 500            |
| <b>FSD77-12-D</b> |           |                 |            | .47        | 12.0 | 5/8               | 15.9 |                  | 500            |
| <b>FSD78-6-D</b>  | 16        | 1.50            | Black      | .24        | 6.0  | 3/8               | 9.5  |                  | 500            |
| <b>FSD78-8-D</b>  |           |                 |            | .31        | 8.0  | 15/32             | 11.9 |                  | 500            |
| <b>FSD78-10-D</b> |           |                 |            | .39        | 10.0 | 17/32             | 13.5 |                  | 500            |
| <b>FSD78-12-D</b> |           |                 |            | .47        | 12.0 | 5/8               | 15.9 |                  | 500            |
| <b>FSD79-8-D</b>  | 14        | 2.08            | Yellow     | .31        | 8.0  | 15/32             | 11.9 |                  | 500            |
| <b>FSD80-8-D</b>  |           | 2.50            | Blue       | .31        | 8.0  | 15/32             | 11.9 |                  | 500            |
| <b>FSD80-12-D</b> |           |                 |            | .47        | 12.0 | 5/8               | 15.9 |                  | 500            |
| <b>FSD81-10-D</b> | 12        | 4.00            | Gray       | .39        | 10.0 | 17/32             | 13.5 |                  | 500            |
| <b>FSD81-12-C</b> |           |                 |            | .47        | 12.0 | 5/8               | 15.9 |                  | 100            |
| <b>FSD82-12-C</b> | 10        | 6.00            | Yellow     | .47        | 12.0 | 5/8               | 15.9 |                  | 100            |
| <b>FSD83-12-C</b> | 8         | 10.0            | Red        | .47        | 12.0 | 5/8               | 15.9 | CT-1003, CT-1004 | 100            |

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Insulated Ferrules – Twin Wire DIN End Sleeve



- Oversized seamless tubular provides consistent, high performance quality crimps for two wire applications
- Molded housing allows easy insertion of wire

| Part Number        | Wire Size |                 | Color Code | Pin Length |      | Wire Strip Length |      | Tool                | Std. Pkg. Qty. |
|--------------------|-----------|-----------------|------------|------------|------|-------------------|------|---------------------|----------------|
|                    | AWG       | mm <sup>2</sup> |            | In.        | mm   | In.               | mm   |                     |                |
| <b>FTD75-8-D</b>   | 22 AWG    | .50             | White      | .31        | 8.0  | 7/16              | 11.2 | CT-1002,<br>CT-1003 | 500            |
| <b>FTD76-8-D</b>   | 20 AWG    | .75             | Gray       | .31        | 8.0  | 7/16              | 11.2 |                     | 500            |
| <b>FTD76-10-D</b>  | 10 AWG    |                 |            | .39        | 10.0 | 9/16              | 14.0 |                     | 500            |
| <b>FTD77-8-D</b>   | 18 AWG    | 1.00            | Red        | .31        | 8.0  | 7/16              | 11.2 |                     | 500            |
| <b>FTD77-10-D</b>  | 10 AWG    |                 |            | .39        | 10.0 | 9/16              | 14.0 |                     | 500            |
| <b>FTD78-8-D</b>   | 16 AWG    | 1.50            | Black      | .31        | 8.0  | 7/16              | 11.2 |                     | 500            |
| <b>FTD78-12-D</b>  | 12 AWG    |                 |            | .47        | 12.0 | 21/32             | 16.8 |                     | 500            |
| <b>FTD80-10-TL</b> | 14 AWG    | 2.50            | Blue       | .39        | 10.0 | 9/16              | 14.0 |                     | 250            |
| <b>FTD80-13-TL</b> | 13 AWG    |                 |            | .51        | 13.0 | 23/32             | 16.2 |                     | 250            |
| <b>FTD81-12-C</b>  | 12 AWG    | 4.00            | Gray       | .47        | 12.0 | 21/32             | 16.8 |                     | 100            |
| <b>FTD82-14-C</b>  | 10 AWG    | 6.00            | Yellow     | .55        | 14.0 | 25/32             | 19.6 | CT-1003,<br>CT-1004 | 100            |

Prime items appear in **BOLD**.

## Ferrules, Non-Insulated



- Flared barrel allows easy insertion of wire
- Non-insulated barrel can be used to provide an economical termination when insulation is not required

| Part Number     | Wire Size |                 | Length |      | Wire Strip Length |      | Tool                | Std. Pkg. Qty. |
|-----------------|-----------|-----------------|--------|------|-------------------|------|---------------------|----------------|
|                 | In.       | mm <sup>2</sup> | In.    | mm   | In.               | mm   |                     |                |
| F73-5-M         | 24 AWG    | .25             | .20    | 5.0  | 7/32              | 5.0  | CT-1002,<br>CT-1003 | 1000           |
| F73-7-M         |           |                 | .28    | 7.0  | 9/32              | 7.0  |                     | 1000           |
| F74-5-M         |           | .34             | .20    | 5.0  | 7/32              | 5.0  |                     | 1000           |
| F75-6-M         | 22 AWG    | .50             | .24    | 6.0  | 1/4               | 6.0  |                     | 1000           |
| F75-8-M         |           |                 | .31    | 8.0  | 5/16              | 8.0  |                     | 1000           |
| F75-10-M        |           |                 | .39    | 10.0 | 13/32             | 10.0 |                     | 1000           |
| F76-6-M         | 20 AWG    | .75             | .24    | 6.0  | 1/4               | 6.0  |                     | 1000           |
| F76-8-M         |           |                 | .31    | 8.0  | 5/16              | 8.0  |                     | 1000           |
| F76-10-M        |           |                 | .39    | 10.0 | 13/32             | 10.0 |                     | 1000           |
| F77-6-M         | 18 AWG    | 1.0             | .24    | 6.0  | 1/4               | 6.0  |                     | 1000           |
| F77-7-M         |           |                 | .28    | 7.0  | 9/32              | 7.0  |                     | 1000           |
| F77-8-M         |           |                 | .31    | 8.0  | 5/16              | 8.0  |                     | 1000           |
| F78-7-M         | 16 AWG    | 1.5             | .28    | 7.0  | 9/32              | 7.0  |                     | 1000           |
| F78-8-M         |           |                 | .31    | 8.0  | 5/16              | 8.0  |                     | 1000           |
| <b>F78-10-M</b> |           |                 | .39    | 10.0 | 13/32             | 10.0 |                     | 1000           |
| F80-7-M         | 14 AWG    | 2.5             | .28    | 7.0  | 9/32              | 7.0  |                     | 1000           |
| F80-8-M         |           |                 | .31    | 8.0  | 5/16              | 8.0  |                     | 1000           |
| F80-10-M        |           |                 | .39    | 10.0 | 13/32             | 10.0 |                     | 1000           |
| F81-9-M         | 12 AWG    | 4.0             | .35    | 9.0  | 11/32             | 8.0  |                     | 1000           |
| F81-10-M        |           |                 | .39    | 10.0 | 13/32             | 10.0 |                     | 1000           |
| F81-12-M        |           |                 | .47    | 12.0 | 15/32             | 12.0 |                     | 1000           |
| F82-10-M        | 10 AWG    | 6.0             | .39    | 10.0 | 13/32             | 10.0 |                     | 1000           |
| <b>F82-12-M</b> |           |                 | .47    | 12.0 | 15/32             | 12.0 |                     | 1000           |
| F82-15-M        |           |                 | .59    | 15.0 | 19/32             | 15.0 |                     | 1000           |

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.



## Ferrules, Non-Insulated (continued)



- Flared barrel allows easy insertion of wire
- Non-insulated barrel can be used to provide an economical termination when insulation is not required

| Part Number      | Wire Size |                 | Length |      | Wire Strip Length |      | Tool             | Std. Pkg. Qty. |
|------------------|-----------|-----------------|--------|------|-------------------|------|------------------|----------------|
|                  | In.       | mm <sup>2</sup> | In.    | mm   | In.               | mm   |                  |                |
| <b>F83-12-D</b>  | 8 AWG     | 10.0            | .47    | 12.0 | 15/32             | 12.0 | CT-1003, CT-1004 | 500            |
| <b>F83-15-D</b>  |           |                 | .59    | 15.0 | 19/32             | 15.0 |                  | 500            |
| <b>F83-18-D</b>  |           |                 | .71    | 18.0 | 23/32             | 18.0 |                  | 500            |
| <b>F84-12-TL</b> | 6 AWG     | 16.0            | .47    | 12.0 | 15/32             | 12.0 | CT-1004          | 250            |
| <b>F84-15-TL</b> |           |                 | .59    | 15.0 | 19/32             | 15.0 |                  | 250            |
| <b>F84-18-TL</b> |           |                 | .71    | 18.0 | 23/32             | 18.0 |                  | 250            |
| <b>F85-12-C</b>  | 4 AWG     | 25.0            | .47    | 12.0 | 15/32             | 12.0 | CT-1005          | 100            |
| <b>F85-15-C</b>  |           |                 | .59    | 15.0 | 19/32             | 15.0 |                  | 100            |
| <b>F85-18-C</b>  |           |                 | .71    | 18.0 | 23/32             | 18.0 |                  | 100            |
| <b>F86-18-C</b>  | 2 AWG     | 35.0            | .71    | 18.0 | 23/32             | 18.0 |                  | 100            |
| <b>F86-20-C</b>  |           |                 | .79    | 20.0 | 25/32             | 20.0 |                  | 100            |
| <b>F86-25-C</b>  |           |                 | .98    | 25.0 | 31/32             | 25.0 |                  | 100            |
| <b>F87-18-C</b>  | 1 AWG     | 50.0            | .71    | 18.0 | 23/32             | 18.0 | CT-1006          | 100            |
| <b>F87-22-C</b>  |           |                 | .87    | 22.0 | 7/8               | 22.0 |                  | 100            |
| <b>F87-25-C</b>  |           |                 | .98    | 25.0 | 31/32             | 25.0 |                  | 100            |

Prime items appear in **BOLD**.

## Terminal Kits

### Plastic Box Terminal Kits



- Ideal for maintenance and construction wiring
- Rugged plastic construction
- Kit has hanging tab for easy storage

| Part Number    | Part Description                                                                                                                                                                            | Std. Pkg. Qty. |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>KP-1075</b> | Terminal kit without crimping tool. Includes the following: (20) PV18-8R; PV18-6F; PV14-8F; PV14-10R; (10) PV10-8R; PV10-10R; DNF14-250; DNF-18-250; BSV18X; BSV14X; BSV10X; (5) JN418-212. | 1              |
| <b>KP-1165</b> | Includes the following: (18) PV18-8R; PV14-10R; P18-6F; P14-8F; (10) PV10-8R; PV10-10R; BSV18X; BSV14X; BSV10X; DV18-250B; DV14-188B; (5) JN418-212; (1) CT-160 Tool; KP-1000 Box.          | 1              |

### Steel Kit Boxes



- Terminal kit in rugged steel case that can be used stand-alone or fits into two, four or six drawer slide racks

| Part Number   | Part Description                                                                                                                                                                                                                                                                                                       | Std. Pkg. Qty. |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>K-1000</b> | Empty steel box, 20 terminal compartments and 1 tool compartment, measures 13 21/64" wide x 9 21/64" deep x 2" high <ul style="list-style-type: none"> <li>• Latch prevents accidental opening</li> <li>• Handle for portability or as drawer pull when used in rack</li> <li>• Drop-in label area on front</li> </ul> | 1              |
| <b>K-1102</b> | Includes the following: (100) PV18-6LF; PV18-8LF; PV14-8LF; PV14-10LF; BSV18X; BSV14X; (50) PV10-10LF; BSV10X; (1) CT-100 Tool; K-1000 Box.                                                                                                                                                                            | 1              |
| <b>K-1104</b> | Includes the following: (50) PN18-10R; PN14-6R; PN14-10R; PN18-6F; PN14-6F; PN14-10F; (25) PN10-10R; PN10-56R; PN10-10F; BSN14; BSN10; JN418-212; (1) CT-100 Tool; K-1000 Box.                                                                                                                                         | 1              |

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Industrial Maintenance Kits



- Steel kits have individual compartments for storage of terminals
- Convenient carrying handle
- Once top is closed, terminals remain in their compartments

| Part Number     | Part Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Std. Pkg. Qty. |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>K1-PNKIT</b> | Kit contains:<br>(1) K-1001 steel kit box<br>(1) CT-260 installation tool<br><u>Cable Ties</u><br>(100) PLT2S cable ties<br><u>Terminals</u><br>(100) PN14-610R multi-stud terminals<br>(100) PN18-610R multi-stud terminals<br>(100) PN18-6LF locking fork terminals<br>(100) PN14-8LF locking fork terminals<br>(50) PN10-10LF locking fork terminals<br>(100) PN18-8F fork terminals<br>(100) PN14-10R ring terminals<br>(50) PN10-10R ring terminals<br><u>Disconnects</u><br>(100) DNF18-250 disconnects<br>(100) DNF14-250 disconnects<br>(50) DV10-250 disconnects<br><u>Splices</u><br>(50) BSN18 butt splices<br>(50) BSN14 butt splices<br>(25) BSN10 butt splices<br><u>Marking System</u><br>(1) PMD-0-9 marking dispenser and tape<br>(100) MP150 marker tags<br>(1) PX-0 marker | 1              |

Prime items appear in **BOLD**.

## Industrial Maintenance Kits (continued)



- Steel kits have individual compartments for storage of terminals
- Convenient carrying handle
- Once top is closed, terminals remain in their compartments

| Part Number | Part Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Std. Pkg. Qty. |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| K2-PVKIT    | Kit contains:<br>(1) K-1001 steel kit box<br>(1) CT-260 installation tool<br><u>Cable Ties</u><br>(100) PLT2S cable ties<br><u>Terminals</u><br>(100) PV18-8F fork terminals<br>(100) PV18-6LF locking fork terminals<br>(100) PV14-8LF locking fork terminals<br>(50) PV10-10LF locking fork terminals<br>(100) PV18-610R multi-stud terminals<br>(100) PV14-10R ring terminals<br>(50) PV10-10R ring terminals<br><u>Disconnects</u><br>(100) DV18-250B disconnects<br>(100) DV14-250B disconnects<br>(50) DV10-250 disconnects<br><u>Splices</u><br>(50) BSV18X butt splices<br>(50) BSV14X butt splices<br>(25) BSV10X butt splices<br><u>Wire Joints</u><br>(30) JN224-318<br>(15) JN314-412<br><u>Marking System</u><br>(1) PMD-0-9 marking dispenser and tape | 1              |

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

# Crimping Guidelines for PANDUIT® PAN-LUG™ Compression Lugs and Splices

## 1. Select the proper PANDUIT compression connector for the conductor type and size being used.

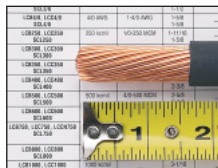


- PANDUIT compression connectors are identified with the proper conductor size and conductor type marked on the tongue or barrel of the connector
- The proper conductor size and type to be used with each connector can also be found in the installation instructions included with PANDUIT product packaging and in the tool charts\*

| PANDUIT PART NUMBER | STUD WIRE SIZE        | WIRE RANGE-TAGGING with On-On TOOLS (AWG RANGE) | WIRE STRIP LENGTH (in.) | CS-1700       | CS-720                |
|---------------------|-----------------------|-------------------------------------------------|-------------------------|---------------|-----------------------|
| LCB, LCC, SCL       | 6 AWG                 | —                                               | 3/4 1-1/16              | RED P21 (3)   | CO-720-RED P21 (3)    |
| LCB, LCC, SCL       | 6 AWG                 | —                                               | 1-1/16 1-1/8            | BLUE P24 (3)  | CO-720-BLUE P24 (3)   |
| LCB, LCC, SCL       | 2 AWG SCL 4-2 AWG SCL | 4 AWG                                           | 1-1/8 1-1/4             | GRAY P29 (3)  | CO-720-GRAY P29 (3)   |
| LCB, LCC, SCL       | 2 AWG                 | 6-2 AWG                                         | 1-1/4 1-1/2             | BROWN P33 (3) | CO-720-BROWN P33 (3)  |
| LCB, LCC, SCL       | 1 AWG                 | 6-1 AWG                                         | 1-1/2 1-3/8             | GREEN P37 (3) | CO-720-GREEN P37 (3)  |
| LCB, LCC, SCL       | 1/0 AWG               | 6-1/0 AWG                                       | 1-1/2 1-3/8             | —             | CO-720-PINK P41 (3)   |
| LCB, LCC, SCL       | 2/0 AWG               | 4-2/0 AWG                                       | 1-5/8 1-1/2             | —             | CO-720-BLACK P43 (3)  |
| LCB, LCC, SCL       | 3/0 AWG               | 2-3/0 AWG                                       | 1-11/16 1-1/2           | —             | CO-720-ORANGE P45 (3) |

## 2. Strip the conductor to the proper strip length. As specified:

- On the PANDUIT product packaging label or
- On the installation instructions included with PANDUIT product packaging or
- In the tool charts\*



Make sure the conductor is not stripped too long, which would result in exposed wire between the barrel of the connector and the cable insulation.

Make sure the conductor is not stripped too short, which would result in a less than complete contact area with the connector when the conductor is inserted in the barrel.

Do not nick or cut strands of conductor during crimping, which would result in a less than premium conductor termination.

Make sure conductor strands are free from corrosion.



\*See condensed tool charts on pages B4-B27; for complete tool charts refer to pages D2.148-D2.186 of the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

## Crimping Guidelines for *PANDUIT*® *PAN-LUG*™ Compression Lugs and Splices (continued)

### 3. Select the proper crimping die and crimping tool to be used with the connector.

Use crimping tools and dies that provide a UL Listed and/or CSA Certified electrical termination, to assure a safe and reliable connection.

Many *PANDUIT* compression connectors are UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies. These tools and dies are listed in the tool charts\*. *PANDUIT* crimping tools and dies to be used with each connector are also listed on the installation instructions included with *PANDUIT* product packaging.

*PANDUIT* compression connectors are color coded and marked with *PANDUIT* and specified competitor die index numbers. Select the proper crimping die to be used by matching the color code and die index number marked on the connector to the same markings on the crimping die.

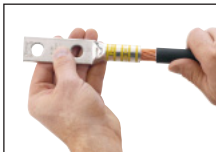


\*See condensed tool charts on pages B4-B27; for complete tool charts refer to pages D2.148-D2.186 of the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

## Crimping Guidelines for PANDUIT® PAN-LUG™ Compression Lugs and Splices (continued)

### 4. Crimp the connector.

Insert the conductor into the barrel of the connector. The conductor should stop against the end of the barrel of the lug, or wire stop in the butt splice, upon complete insertion of the conductor in the barrel. Some lugs are offered with inspection windows that provide visual inspection of the complete conductor insertion.



| MIN FMC (C)               | (C)        | MIN FMC (C)                   |
|---------------------------|------------|-------------------------------|
| D-920-2/0<br>ACK P45 (3)  | STD<br>(2) | CD-2001-2/0<br>BLACK P45 (3)  |
| D-920-3/0<br>NNGE P50 (3) | STD<br>(2) | CD-2001-3/0<br>ORANGE P50 (3) |
| D-920-4/0<br>RPLE P54 (3) | STD<br>(2) | CD-2001-4/0<br>PURPLE P54 (3) |
| D-920-250<br>LOW P62 (3)  | STD<br>(3) | CD-2001-250<br>YELLOW P62 (3) |
| D-920-300<br>HITE P66 (3) | STD<br>(3) | CD-2001-300<br>WHITE P66 (3)  |
| D-920-350<br>ED P71 (3)   | STD<br>(3) | CD-2001-350<br>RED P71 (3)    |
| D-920-400                 | STD        | CD-2001-400                   |

#### Identify

towards the conductor entry at the end of the barrel. Use the color coded or knurled band markings on the barrel of the connector to evenly space the placement of the crimps in the barrel.



When properly crimped, the die index number engraved in the crimping die will be embossed into the barrel of the connector. The crimp should be placed in the connector so the die index number can be easily read when the connector is installed.

#### Die index number must be visible



\*See condensed tool charts on pages B4-B27; for complete tool charts refer to pages D2.148-D2.186 of the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

## PANDUIT Installation Tooling and Die Selection

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size                          | CT-1570                                            | CT-1701 <sup>①</sup> | CT-1700 <sup>①</sup> | CT-720               |        |   |   |          |                      |
|------------------------------|-----------------------------------------------|----------------------------------------------------|----------------------|----------------------|----------------------|--------|---|---|----------|----------------------|
|                              |                                               | Die Part Number / Color Code & Die<br>Index Number |                      |                      |                      |        |   |   |          |                      |
| LCA10                        | #14 – #10<br>AWG STR,<br>#12 – #10<br>AWG SOL | 12 – 10                                            | P10                  | —                    | —                    |        |   |   |          |                      |
| LCB10                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCD10                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCC10                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCAS8                        | #8 AWG                                        | —                                                  | —                    | Red P21              | CD-720-1<br>Red P21  |        |   |   |          |                      |
| LCA8                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCAN8                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCB8                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCBN8                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCD8                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCDN8                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCC8                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCCN8                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| SCSS8                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| SCS8                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| SCL8                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCAS6                        |                                               |                                                    |                      |                      |                      | #6 AWG | — | — | Blue P24 | CD-720-1<br>Blue P24 |
| LCA6                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCAN6                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCB6                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCBN6                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCD6                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCDN6                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCC6                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCCN6                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| SCSS6                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| SCS6                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| SCL6                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCAS4                        | #4 AWG<br>STR                                 | —                                                  | —                    | Gray P29             | CD-720-1<br>Gray P29 |        |   |   |          |                      |
| SCSS4                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCA4                         | #4 – #3<br>AWG STR,<br>#2 AWG<br>SOL          |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCAN4                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCB4                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCBN4                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCD4                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCDN4                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCC4                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| LCCN4                        |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| SCS4                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |
| SCL4                         |                                               |                                                    |                      |                      |                      |        |   |   |          |                      |

Note: See page B27 for note references.



## PANDUIT Installation Tooling and Die Selection (continued)

| CT-920, <sup>⑪</sup> CT-920CH, <sup>⑪</sup><br>CT-930, CT-930CH,<br>CT-2930, CT-930LPCH, <sup>⑥</sup><br>CT-2931, CT-2940, <sup>④</sup><br>CT-2920, <sup>⑪</sup> CT940CH <sup>③</sup> | UNI-DIE™<br>CT-980, CT-2980, CT980CH,<br>CT-2981, CT980LPCH, <sup>⑥</sup><br>CT-2950 <sup>⑤</sup><br>Extended Wire Range <sup>⑩</sup> | CT-2001,<br>CT-2002   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Die Part Number / Color Code & Die Index Number                                                                                                                                       |                                                                                                                                       |                       |
| —                                                                                                                                                                                     | —                                                                                                                                     | —                     |
| CD-920-8<br>Red P21                                                                                                                                                                   | —                                                                                                                                     | CD-2001-8<br>Red P21  |
| CD-920-6<br>Blue P24                                                                                                                                                                  | —                                                                                                                                     | CD-2001-6<br>Blue P24 |
| CD-920-4<br>Gray P29                                                                                                                                                                  | #4 AWG STR                                                                                                                            | CD-2001-4<br>Gray P29 |

Note: See page B27 for note references.

## PANDUIT Installation Tooling and Die Selection (continued)

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size | CT-1570                                         | CT-1701 <sup>①</sup> | CT-1700 <sup>①</sup> | CT-720                |
|------------------------------|----------------------|-------------------------------------------------|----------------------|----------------------|-----------------------|
|                              |                      | Die Part Number / Color Code & Die Index Number |                      |                      |                       |
| LCAS2                        | #2 AWG               | —                                               | —                    | Brown P33            | CD-720-1<br>Brown P33 |
| LCA2                         |                      |                                                 |                      |                      |                       |
| LCAN2 <sup>⑨</sup>           |                      |                                                 |                      |                      |                       |
| LCB2                         |                      |                                                 |                      |                      |                       |
| LCBN2                        |                      |                                                 |                      |                      |                       |
| LCD2                         |                      |                                                 |                      |                      |                       |
| LCDN2                        |                      |                                                 |                      |                      |                       |
| LCC2                         |                      |                                                 |                      |                      |                       |
| LCCN2                        |                      |                                                 |                      |                      |                       |
| SCSS2                        |                      |                                                 |                      |                      |                       |
| SCS2                         |                      |                                                 |                      |                      |                       |
| SCL2                         |                      |                                                 |                      |                      |                       |
| LCAS1                        | #1 AWG               | —                                               | —                    | Green P37            | CD-720-2<br>Green P37 |
| LCA1                         |                      |                                                 |                      |                      |                       |
| LCAN1                        |                      |                                                 |                      |                      |                       |
| LCB1                         |                      |                                                 |                      |                      |                       |
| LCBN1                        |                      |                                                 |                      |                      |                       |
| LCD1                         |                      |                                                 |                      |                      |                       |
| LCDN1                        |                      |                                                 |                      |                      |                       |
| LCC1                         |                      |                                                 |                      |                      |                       |
| LCCN1                        |                      |                                                 |                      |                      |                       |
| SCSS1                        |                      |                                                 |                      |                      |                       |
| SCS1                         |                      |                                                 |                      |                      |                       |
| SCL1                         |                      |                                                 |                      |                      |                       |
| LCAS1/0                      | 1/0 AWG              | —                                               | —                    | —                    | CD-720-2<br>Pink P42  |
| LCA1/0                       |                      |                                                 |                      |                      |                       |
| LCAN1/0                      |                      |                                                 |                      |                      |                       |
| LCB1/0                       |                      |                                                 |                      |                      |                       |
| LCBN1/0                      |                      |                                                 |                      |                      |                       |
| LCD1/0                       |                      |                                                 |                      |                      |                       |
| LCDN1/0                      |                      |                                                 |                      |                      |                       |
| LCC1/0                       |                      |                                                 |                      |                      |                       |
| LCCN1/0                      |                      |                                                 |                      |                      |                       |
| SCSS1/0                      |                      |                                                 |                      |                      |                       |
| SCS1/0                       |                      |                                                 |                      |                      |                       |
| SCL1/0                       |                      |                                                 |                      |                      |                       |

Note: See page B27 for note references.

## PANDUIT Installation Tooling and Die Selection (continued)

| <b>CT-920,<sup>⑪</sup> CT-920CH,<sup>⑪</sup><br/> CT-930, CT-930CH,<br/> CT-2930, CT-930LPCH<sup>⑥</sup>,<br/> CT-2931, CT-2940,<sup>③</sup><br/> CT-2920,<sup>⑪</sup> CT940CH<sup>③</sup></b> | <b><i>UNI-DIE™</i><br/> CT-980, CT-2980, CT-980CH,<br/> CT-2981, C-T980LPCH,<sup>⑥</sup><br/> CT-2950<sup>⑤</sup><br/> Extended Wire Range<sup>⑪</sup></b> | <b>CT-2001,<br/> CT-2002</b>     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Die Part Number / Color Code &amp; Die Index Number</b>                                                                                                                                     |                                                                                                                                                            |                                  |
| <b>CD-920-2<br/> Brown P33</b>                                                                                                                                                                 | <b>#6 – #2 AWG</b>                                                                                                                                         | <b>CD-2001-2<br/> Brown P33</b>  |
| <b>CD-920-1<br/> Green P37</b>                                                                                                                                                                 | <b>#6 – #1 AWG</b>                                                                                                                                         | <b>CD-2001-1<br/> Green P37</b>  |
| <b>CD-920-1/0<br/> Pink P42</b>                                                                                                                                                                | <b>#6 – 1/0 AWG</b>                                                                                                                                        | <b>CD-2001-1/0<br/> Pink P42</b> |

Note: See page B27 for note references.

## PANDUIT Installation Tooling and Die Selection (continued)

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size | CT-1570                                            | CT-1701 | CT-1700 | CT-720                    |
|------------------------------|----------------------|----------------------------------------------------|---------|---------|---------------------------|
|                              |                      | Die Part Number / Color Code & Die<br>Index Number |         |         |                           |
| LCAS2/0                      | 2/0 AWG              | —                                                  | —       | —       | CD-720-2<br>Black P45     |
| LCA2/0                       |                      |                                                    |         |         |                           |
| LCAN2/0                      |                      |                                                    |         |         |                           |
| LCB2/0                       |                      |                                                    |         |         |                           |
| LCBN2/0                      |                      |                                                    |         |         |                           |
| LCD2/0                       |                      |                                                    |         |         |                           |
| LCDN2/0                      |                      |                                                    |         |         |                           |
| LCC2/0                       |                      |                                                    |         |         |                           |
| LCCN2/0                      |                      |                                                    |         |         |                           |
| SCSS2/0                      |                      |                                                    |         |         |                           |
| SCS2/0                       |                      |                                                    |         |         |                           |
| SCL2/0                       |                      |                                                    |         |         |                           |
| LCAS3/0                      | 3/0 AWG              | —                                                  | —       | —       | CD-720-2<br>Orange<br>P50 |
| LCA3/0                       |                      |                                                    |         |         |                           |
| LCAN3/0                      |                      |                                                    |         |         |                           |
| LCB3/0                       |                      |                                                    |         |         |                           |
| LCBN3/0                      |                      |                                                    |         |         |                           |
| LCD3/0                       |                      |                                                    |         |         |                           |
| LCDN3/0                      |                      |                                                    |         |         |                           |
| LCC3/0                       |                      |                                                    |         |         |                           |
| LCCN3/0                      |                      |                                                    |         |         |                           |
| SCSS3/0                      |                      |                                                    |         |         |                           |
| SCS3/0                       |                      |                                                    |         |         |                           |
| SCL3/0                       |                      |                                                    |         |         |                           |
| LCAS4/0                      | 4/0 AWG              | —                                                  | —       | —       | CD-720-3<br>Purple<br>P54 |
| LCA4/0                       |                      |                                                    |         |         |                           |
| LCAN4/0                      |                      |                                                    |         |         |                           |
| LCB4/0                       |                      |                                                    |         |         |                           |
| LCBN4/0                      |                      |                                                    |         |         |                           |
| LCD4/0                       |                      |                                                    |         |         |                           |
| LCDN4/0                      |                      |                                                    |         |         |                           |
| LCC4/0                       |                      |                                                    |         |         |                           |
| LCCN4/0                      |                      |                                                    |         |         |                           |
| SCSS4/0                      |                      |                                                    |         |         |                           |
| SCS4/0                       |                      |                                                    |         |         |                           |
| SCL4/0                       |                      |                                                    |         |         |                           |

## PANDUIT Installation Tooling and Die Selection (continued)

| <b>CT-920,<sup>⑪</sup> CT-920CH,<sup>⑪</sup><br/> CT-930, CT-930CH,<br/> CT-2930, CT-930LPCH,<sup>⑥</sup><br/> CT-2931, CT-2940,<sup>③</sup><br/> CT-2920,<sup>⑪</sup> CT940CH<sup>③</sup></b> | <b>UNI-DIE™<br/> CT-980, CT-2980, CT-980CH,<br/> CT-2981, CT-980LPCH,<sup>⑥</sup><br/> CT-2950<sup>⑤</sup><br/> Extended Wire Range<sup>⑪</sup></b> | <b>CT-2001,<br/> CT-2002</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Die Part Number / Color Code &amp; Die Index Number</b>                                                                                                                                     |                                                                                                                                                     |                              |
| CD-920-2/0<br>Black P45                                                                                                                                                                        | #4 – 2/0 AWG                                                                                                                                        | CD-2001-2/0<br>Black P45     |
| CD-920-3/0<br>Orange P50                                                                                                                                                                       | #2 – 3/0 AWG                                                                                                                                        | CD-2001-3/0<br>Orange P50    |
| CD-920-4/0<br>Purple P54                                                                                                                                                                       | #1 – 4/0 AWG                                                                                                                                        | CD-2001-4/0<br>Purple P54    |

Note: See page B27 for note references.

## PANDUIT Installation Tooling and Die Selection (continued)

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size | CT-1570                                            | CT-1701 | CT-1700 | CT-720                 |
|------------------------------|----------------------|----------------------------------------------------|---------|---------|------------------------|
|                              |                      | Die Part Number / Color Code & Die<br>Index Number |         |         |                        |
| LCAS250                      | 250 kcmil            | —                                                  | —       | —       | CD-720-3<br>Yellow P62 |
| LCA250                       |                      |                                                    |         |         |                        |
| LCAN250                      |                      |                                                    |         |         |                        |
| LCB250                       |                      |                                                    |         |         |                        |
| LCBN250                      |                      |                                                    |         |         |                        |
| LCD250                       |                      |                                                    |         |         |                        |
| LCDN250                      |                      |                                                    |         |         |                        |
| LCC250                       |                      |                                                    |         |         |                        |
| LCCN250                      |                      |                                                    |         |         |                        |
| SCSS250                      |                      |                                                    |         |         |                        |
| SCS250                       |                      |                                                    |         |         |                        |
| SCL250                       |                      |                                                    |         |         |                        |
| LCA300                       | 300 kcmil            | —                                                  | —       | —       | CD-720-4<br>White P66  |
| LCAN300                      |                      |                                                    |         |         |                        |
| LCB300                       |                      |                                                    |         |         |                        |
| LCBN300                      |                      |                                                    |         |         |                        |
| LCD300                       |                      |                                                    |         |         |                        |
| LCDN300                      |                      |                                                    |         |         |                        |
| LCC300                       |                      |                                                    |         |         |                        |
| LCCN300                      |                      |                                                    |         |         |                        |
| SCS300                       |                      |                                                    |         |         |                        |
| SCL300                       |                      |                                                    |         |         |                        |
| LCA350                       | 350 kcmil            | —                                                  | —       | —       | CD-720-5<br>Red P71    |
| LCAN350                      |                      |                                                    |         |         |                        |
| LCB350                       |                      |                                                    |         |         |                        |
| LCBN350                      |                      |                                                    |         |         |                        |
| LCD350                       |                      |                                                    |         |         |                        |
| LCDN350                      |                      |                                                    |         |         |                        |
| LCC350                       |                      |                                                    |         |         |                        |
| LCCN350                      |                      |                                                    |         |         |                        |
| SCS350                       |                      |                                                    |         |         |                        |
| SCL350                       |                      |                                                    |         |         |                        |

## PANDUIT Installation Tooling and Die Selection (continued)

| <b>CT-920,<sup>①</sup> CT-920CH,<sup>①</sup><br/>CT-930, CT-930CH,<br/>CT-2930, CT-930LPCH,<sup>⑥</sup><br/>CT-2931, CT-2940,<sup>③</sup><br/>CT-2920,<sup>①</sup> CT940CH<sup>③</sup></b> | <b><i>UNI-DIE™</i><br/>CT-980, CT-2980, CT-980CH,<br/>CT-2981, CT-980LPCH,<sup>⑥</sup><br/>CT-2950<sup>⑤</sup><br/>Extended Wire Range<sup>⑩</sup></b> | <b>CT-2001,<br/>CT-2002</b>       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>Die Part Number / Color Code &amp; Die Index Number</b>                                                                                                                                 |                                                                                                                                                        |                                   |
| <p>CD-920-250<br/>Yellow P62</p>                                                                                                                                                           | <p>1/0 AWG – 250 kcmil</p>                                                                                                                             | <p>CD-2001-250<br/>Yellow P62</p> |
| <p>CD-920-300<br/>White P66</p>                                                                                                                                                            | <p>2/0 AWG – 300 kcmil</p>                                                                                                                             | <p>CD-2001-300<br/>White P66</p>  |
| <p>CD-920-350<br/>Red P71</p>                                                                                                                                                              | <p>3/0 AWG – 350 kcmil</p>                                                                                                                             | <p>CD-2001-350<br/>Red P71</p>    |

Note: See page B27 for note references.

## PANDUIT Installation Tooling and Die Selection (continued)

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size | CT-1570                                            | CT-1701 | CT-1700 | CT-720                |
|------------------------------|----------------------|----------------------------------------------------|---------|---------|-----------------------|
|                              |                      | Die Part Number / Color Code & Die<br>Index Number |         |         |                       |
| LCA400                       | 400 kcmil            | —                                                  | —       | —       | CD-720-6<br>Blue P76  |
| LCAN400                      |                      |                                                    |         |         |                       |
| LCB400                       |                      |                                                    |         |         |                       |
| LCBN400                      |                      |                                                    |         |         |                       |
| LCD400                       |                      |                                                    |         |         |                       |
| LCDN400                      |                      |                                                    |         |         |                       |
| LCC400                       |                      |                                                    |         |         |                       |
| LCCN400                      |                      |                                                    |         |         |                       |
| SCS400                       |                      |                                                    |         |         |                       |
| SCL400                       |                      |                                                    |         |         |                       |
| LCA500                       | 500 kcmil            | —                                                  | —       | —       | CD-720-7<br>Brown P87 |
| LCAN500                      |                      |                                                    |         |         |                       |
| LCB500                       |                      |                                                    |         |         |                       |
| LCBN500                      |                      |                                                    |         |         |                       |
| LCD500                       |                      |                                                    |         |         |                       |
| LCDN500                      |                      |                                                    |         |         |                       |
| LCC500                       |                      |                                                    |         |         |                       |
| LCCN500                      |                      |                                                    |         |         |                       |
| SCS500                       |                      |                                                    |         |         |                       |
| SCL500                       |                      |                                                    |         |         |                       |
| LCA600                       | 600 kcmil            | —                                                  | —       | —       | —                     |
| LCAN600                      |                      |                                                    |         |         |                       |
| LCB600                       |                      |                                                    |         |         |                       |
| LCBN600                      |                      |                                                    |         |         |                       |
| LCD600                       |                      |                                                    |         |         |                       |
| LCDN600                      |                      |                                                    |         |         |                       |
| LCC600                       |                      |                                                    |         |         |                       |
| LCCN600                      |                      |                                                    |         |         |                       |
| SCS600                       |                      |                                                    |         |         |                       |
| SCL600                       |                      |                                                    |         |         |                       |



## PANDUIT Installation Tooling and Die Selection (continued)

| <b>CT-920,<sup>①</sup> CT-920CH,<sup>①</sup><br/> CT-930, CT-930CH,<br/> CT-2930, CT-930LPCH,<sup>⑥</sup><br/> CT-2931, CT-2940,<sup>③</sup><br/> CT-2920,<sup>①</sup> CT940CH<sup>③</sup></b> | <b><i>UNI-DIE™</i><br/> CT-980, CT-2980, CT-980CH,<br/> CT-2981, CT-980LPCH,<sup>⑥</sup><br/> CT-2950<sup>⑤</sup><br/> Extended Wire Range<sup>⑩</sup></b> | <b>CT-2001,<br/> CT-2002</b>      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>Die Part Number / Color Code &amp; Die Index Number</b>                                                                                                                                     |                                                                                                                                                            |                                   |
| <b>CD-920-400<br/> Blue P76</b>                                                                                                                                                                | <b>4/0 AWG – 400 kcmil</b>                                                                                                                                 | <b>CD-2001-400<br/> Blue P76</b>  |
| <b>CD-920-500<br/> Brown P87</b>                                                                                                                                                               | <b>4/0 AWG – 500 kcmil</b>                                                                                                                                 | <b>CD-2001-500<br/> Brown P87</b> |
| <b>CD-920-600<br/> Green P94</b>                                                                                                                                                               | <b>250 – 600 kcmil</b>                                                                                                                                     | <b>—</b>                          |

Note: See page B27 for note references.

## PANDUIT Installation Tooling and Die Selection (continued)

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size | CT-1570                                            | CT-1701 | CT-1700 | CT-720 |
|------------------------------|----------------------|----------------------------------------------------|---------|---------|--------|
|                              |                      | Die Part Number / Color Code & Die<br>Index Number |         |         |        |
| LCA750                       | 750 kcmil            | —                                                  | —       | —       | —      |
| LCAN750                      |                      |                                                    |         |         |        |
| LCB750                       |                      |                                                    |         |         |        |
| LCCBN750                     |                      |                                                    |         |         |        |
| LCD750                       |                      |                                                    |         |         |        |
| LCCDN750                     |                      |                                                    |         |         |        |
| LCC750                       |                      |                                                    |         |         |        |
| LCCN750                      |                      |                                                    |         |         |        |
| SCS750                       |                      |                                                    |         |         |        |
| SCL750                       |                      |                                                    |         |         |        |
| LCB800                       | 800 kcmil            | —                                                  | —       | —       | —      |
| LCCBN800                     |                      |                                                    |         |         |        |
| LCC800                       |                      |                                                    |         |         |        |
| LCCN800                      | 1000 kcmil           | —                                                  | —       | —       | —      |
| LCB1000                      |                      |                                                    |         |         |        |
| LCCBN1000                    |                      |                                                    |         |         |        |
| LCD1000                      |                      |                                                    |         |         |        |
| LCC1000                      |                      |                                                    |         |         |        |
| LCCN1000                     |                      |                                                    |         |         |        |
| SCS1000                      |                      |                                                    |         |         |        |
| SCL1000                      |                      |                                                    |         |         |        |

## PANDUIT Installation Tooling and Die Selection (continued)

| CT-920, <sup>⑪</sup> CT-920CH, <sup>⑪</sup><br>CT-930, CT-930CH,<br>CT-2930, CT-930LPCH, <sup>⑥</sup><br>CT-2931, CT-2940, <sup>③</sup><br>CT-2920, <sup>⑪</sup> CT940CH <sup>③</sup> | <i>UNI-DIE</i> ™<br>CT-980, CT-2980, CT-980CH,<br>CT-2981, CT-980LPCH, <sup>⑥</sup><br>CT-2950 <sup>⑤</sup><br>Extended Wire Range <sup>⑨</sup> | CT-2001,<br>CT-2002 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Die Part Number / Color Code & Die Index Number                                                                                                                                       |                                                                                                                                                 |                     |
| CD-920-750<br>CD-940-750 <sup>④</sup><br>Black P106                                                                                                                                   | 500 – 750 kcmil                                                                                                                                 | —                   |
| CD-940-800 <sup>④</sup><br>Orange P107                                                                                                                                                | —                                                                                                                                               | —                   |
| CD-940-1000 <sup>④</sup><br>White P125                                                                                                                                                | —                                                                                                                                               | —                   |

Note: See page B27 for note references.

# Installation Tooling and Die Selection

## Cross Reference

|                              |                                         | Thomas & Betts                                     |            |            |                  |                                |
|------------------------------|-----------------------------------------|----------------------------------------------------|------------|------------|------------------|--------------------------------|
|                              |                                         | TBM20S,<br>TBM25S                                  | TBM5       | TBM8       | TBM12,<br>13642M | TBM15,<br>TBM15I,<br>TBM15BSCR |
| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size                    | Die Part Number / Color Code & Die<br>Index Number |            |            |                  |                                |
| LCAS8                        | #8 AWG                                  | Red<br>21                                          | Red<br>21  | Red<br>21  | Red<br>21        | Red<br>21                      |
| LCA8                         |                                         |                                                    |            |            |                  |                                |
| LCAN8                        |                                         |                                                    |            |            |                  |                                |
| LCB8                         |                                         |                                                    |            |            |                  |                                |
| LCBN8                        |                                         |                                                    |            |            |                  |                                |
| LCD8                         |                                         |                                                    |            |            |                  |                                |
| LCDN8                        |                                         |                                                    |            |            |                  |                                |
| LCC8                         |                                         |                                                    |            |            |                  |                                |
| LCCN8                        |                                         |                                                    |            |            |                  |                                |
| SCSS8                        |                                         |                                                    |            |            |                  |                                |
| SCS8                         |                                         |                                                    |            |            |                  |                                |
| SCL8                         |                                         |                                                    |            |            |                  |                                |
| LCAS6                        | #6 AWG                                  | Blue<br>24                                         | Blue<br>24 | Blue<br>24 | Blue<br>24       | Blue<br>24                     |
| LCA6                         |                                         |                                                    |            |            |                  |                                |
| LCAN6                        |                                         |                                                    |            |            |                  |                                |
| LCB6                         |                                         |                                                    |            |            |                  |                                |
| LCBN6                        |                                         |                                                    |            |            |                  |                                |
| LCD6                         |                                         |                                                    |            |            |                  |                                |
| LCDN6                        |                                         |                                                    |            |            |                  |                                |
| LCC6                         |                                         |                                                    |            |            |                  |                                |
| LCCN6                        |                                         |                                                    |            |            |                  |                                |
| SCSS6                        |                                         |                                                    |            |            |                  |                                |
| SCS6                         |                                         |                                                    |            |            |                  |                                |
| SCL6                         |                                         |                                                    |            |            |                  |                                |
| LCAS4                        | #4 AWG<br>STR                           | Gray<br>29                                         | Gray<br>29 | Gray<br>29 | Gray<br>29       | Gray<br>29                     |
| SCSS4                        |                                         |                                                    |            |            |                  |                                |
| LCA4                         | #4 – #3<br>AWG<br>STR,<br>#2 AWG<br>SOL |                                                    |            |            |                  |                                |
| LCAN4                        |                                         |                                                    |            |            |                  |                                |
| LCB4                         |                                         |                                                    |            |            |                  |                                |
| LCBN4                        |                                         |                                                    |            |            |                  |                                |
| LCD4                         |                                         |                                                    |            |            |                  |                                |
| LCDN4                        |                                         |                                                    |            |            |                  |                                |
| LCC4                         |                                         |                                                    |            |            |                  |                                |
| LCCN4                        |                                         |                                                    |            |            |                  |                                |
| SCS4                         |                                         |                                                    |            |            |                  |                                |
| SCL4                         |                                         |                                                    |            |            |                  |                                |

## Installation Tooling and Die Selection Cross Reference (continued)

| Thomas & Betts                                            |                                                | Burndy                   |      |                                                                                                                        |                                       |                                                    |
|-----------------------------------------------------------|------------------------------------------------|--------------------------|------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------|
| TBM8-750M-1,<br>TBM8-750,<br>TBM8-750BSCR,<br>TMB750BSCR® | TBM14M,<br>TBM14BSCR,<br>BPLT14BSCR,<br>13100A | Y2MR,<br>Y1MRTC,<br>Y1MR | MY29 | Y35,<br>Y35BH,<br>Y39,<br>Y39BH,<br>Y750,<br>Y750-2,<br>Y750BH,<br>Y750BH-2,<br>Y750HS,<br>PAT750,<br>BAT750,<br>BAT35 | Y45, <sup>⑦</sup><br>Y46 <sup>⑦</sup> | Y644M,<br>Y644HS,<br>Y644MBH,<br>PAT644,<br>BAT644 |
| Die Part Number / Color Code & Die Index Number           |                                                |                          |      |                                                                                                                        |                                       |                                                    |
| STD                                                       | Red<br>21                                      | Red<br>49                | #8   | U8CRT<br>Red<br>49                                                                                                     | U8CRT<br>Red<br>49                    | —                                                  |
| STD                                                       | Blue<br>24                                     | Blue<br>7                | #6   | U5CRT<br>Blue<br>7                                                                                                     | U5CRT<br>Blue<br>7                    | STD                                                |
| STD                                                       | Gray<br>29                                     | Gray<br>8                | #4   | U4CRT<br>Gray<br>8                                                                                                     | U4CRT<br>Gray<br>8                    | STD                                                |

Note: See page B27 for note references.

# Installation Tooling and Die Selection

## Cross Reference (continued)

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size | Thomas & Betts                                     |             |             |                  |                                |
|------------------------------|----------------------|----------------------------------------------------|-------------|-------------|------------------|--------------------------------|
|                              |                      | TBM20S,<br>TBM25S                                  | TBM5        | TBM8        | TBM12,<br>13642M | TBM15,<br>TBM15I,<br>TBM15BSCR |
|                              |                      | Die Part Number / Color Code & Die<br>Index Number |             |             |                  |                                |
| LCAS2                        | #2 AWG               | Brown<br>33                                        | Brown<br>33 | Brown<br>33 | Brown<br>33      | Brown<br>33                    |
| SCSS2                        |                      |                                                    |             |             |                  |                                |
| LCA2                         |                      |                                                    |             |             |                  |                                |
| LCAN2 <sup>②</sup>           |                      |                                                    |             |             |                  |                                |
| LCB2                         |                      |                                                    |             |             |                  |                                |
| LCBN2                        |                      |                                                    |             |             |                  |                                |
| LCD2                         |                      |                                                    |             |             |                  |                                |
| LCDN2                        |                      |                                                    |             |             |                  |                                |
| LCC2                         |                      |                                                    |             |             |                  |                                |
| LCCN2                        |                      |                                                    |             |             |                  |                                |
| SCS2                         |                      |                                                    |             |             |                  |                                |
| SCL2                         |                      |                                                    |             |             |                  |                                |
| LCAS1                        | #1 AWG               | —                                                  | Green<br>37 | Green<br>37 | Green<br>37      | Green<br>37                    |
| LCA1                         |                      |                                                    |             |             |                  |                                |
| LCAN1                        |                      |                                                    |             |             |                  |                                |
| LCB1                         |                      |                                                    |             |             |                  |                                |
| LCBN1                        |                      |                                                    |             |             |                  |                                |
| LCD1                         |                      |                                                    |             |             |                  |                                |
| LCDN1                        |                      |                                                    |             |             |                  |                                |
| LCC1                         |                      |                                                    |             |             |                  |                                |
| LCCN1                        |                      |                                                    |             |             |                  |                                |
| SCSS1                        |                      |                                                    |             |             |                  |                                |
| SCS1                         |                      |                                                    |             |             |                  |                                |
| SCL1                         |                      |                                                    |             |             |                  |                                |
| LCAS1/0                      | 1/0<br>AWG           | —                                                  | Pink<br>42  | Pink<br>42  | Pink<br>42       | Pink<br>42H <sup>②</sup>       |
| LCA1/0                       |                      |                                                    |             |             |                  |                                |
| LCAN1/0                      |                      |                                                    |             |             |                  |                                |
| LCB1/0                       |                      |                                                    |             |             |                  |                                |
| LCBN1/0                      |                      |                                                    |             |             |                  |                                |
| LCD1/0                       |                      |                                                    |             |             |                  |                                |
| LCDN1/0                      |                      |                                                    |             |             |                  |                                |
| LCC1/0                       |                      |                                                    |             |             |                  |                                |
| LCCN1/0                      |                      |                                                    |             |             |                  |                                |
| SCSS1/0                      |                      |                                                    |             |             |                  |                                |
| SCS1/0                       |                      |                                                    |             |             |                  |                                |
| SCL1/0                       |                      |                                                    |             |             |                  |                                |

Note: See page B27 for note references.

## Installation Tooling and Die Selection Cross Reference (continued)

| Thomas & Betts                                            |                                                | Burndy                   |      |                                                                                                                        |                                                       |                                                    |
|-----------------------------------------------------------|------------------------------------------------|--------------------------|------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|
| TBM8-750M-1,<br>TBM8-750,<br>TBM8-750BSCR,<br>TMB750BSCR® | TBM14M,<br>TBM14BSCR,<br>BPLT14BSCR,<br>13100A | Y2MR,<br>Y1MRTC,<br>Y1MR | MY29 | Y35,<br>Y35BH,<br>Y39,<br>Y39BH,<br>Y750,<br>Y750-2,<br>Y750BH,<br>Y750BH-2,<br>Y750HS,<br>PAT750,<br>BAT750,<br>BAT35 | Y45, <sup>⑦</sup><br>Y46 <sup>⑦</sup>                 | Y644M,<br>Y644HS,<br>Y644MBH,<br>PAT644,<br>BAT644 |
| Die Part Number / Color Code & Die Index Number           |                                                |                          |      |                                                                                                                        |                                                       |                                                    |
| STD                                                       | Brown<br>33                                    | Brown<br>10              | #2   | U2CRT<br>Brown<br>10                                                                                                   | U2CRT<br>Brown<br>10                                  | STD                                                |
|                                                           |                                                |                          |      | U2CRT<br>Brown<br>9<br>(SOL)/<br>Brown<br>10<br>(STR)                                                                  | U2CRT<br>Brown<br>9<br>(SOL)/<br>Brown<br>10<br>(STR) |                                                    |
| STD                                                       | Green<br>37                                    | —                        | #1   | U1CRT<br>Green<br>11                                                                                                   | U1CRT<br>Green<br>11                                  | STD                                                |
| STD                                                       | Pink<br>42H <sup>②</sup>                       | —                        | 1/0  | U25RT<br>Pink<br>12                                                                                                    | U25RT<br>Pink<br>12                                   | STD                                                |

Note: See page B27 for note references.

## Installation Tooling and Die Selection

### Cross Reference (continued)

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size | Thomas & Betts                                     |              |              |                  |                                |
|------------------------------|----------------------|----------------------------------------------------|--------------|--------------|------------------|--------------------------------|
|                              |                      | TBM20S,<br>TBM25S                                  | TBM5         | TBM8         | TBM12,<br>13642M | TBM15,<br>TBM15I,<br>TBM15BSCR |
|                              |                      | Die Part Number / Color Code & Die<br>Index Number |              |              |                  |                                |
| LCAS2/0                      | 2/0<br>AWG           | —                                                  | Black<br>45  | Black<br>45  | Black<br>45      | Black<br>45                    |
| LCA2/0                       |                      |                                                    |              |              |                  |                                |
| LCAN2/0                      |                      |                                                    |              |              |                  |                                |
| LCB2/0                       |                      |                                                    |              |              |                  |                                |
| LCBN2/0                      |                      |                                                    |              |              |                  |                                |
| LCD2/0                       |                      |                                                    |              |              |                  |                                |
| LCDN2/0                      |                      |                                                    |              |              |                  |                                |
| LCC2/0                       |                      |                                                    |              |              |                  |                                |
| LCCN2/0                      |                      |                                                    |              |              |                  |                                |
| SCSS2/0                      |                      |                                                    |              |              |                  |                                |
| SCS2/0                       |                      |                                                    |              |              |                  |                                |
| SCL2/0                       |                      |                                                    |              |              |                  |                                |
| LCAS3/0                      | 3/0<br>AWG           | —                                                  | Orange<br>50 | Orange<br>50 | Orange<br>50     | Orange<br>50                   |
| LCA3/0                       |                      |                                                    |              |              |                  |                                |
| LCAN3/0                      |                      |                                                    |              |              |                  |                                |
| LCB3/0                       |                      |                                                    |              |              |                  |                                |
| LCBN3/0                      |                      |                                                    |              |              |                  |                                |
| LCD3/0                       |                      |                                                    |              |              |                  |                                |
| LCDN3/0                      |                      |                                                    |              |              |                  |                                |
| LCC3/0                       |                      |                                                    |              |              |                  |                                |
| LCCN3/0                      |                      |                                                    |              |              |                  |                                |
| SCSS3/0                      |                      |                                                    |              |              |                  |                                |
| SCS3/0                       |                      |                                                    |              |              |                  |                                |
| SCL3/0                       |                      |                                                    |              |              |                  |                                |
| LCAS4/0                      | 4/0<br>AWG           | —                                                  | Purple<br>54 | Purple<br>54 | Purple<br>54     | Purple<br>54H <sup>®</sup>     |
| LCA4/0                       |                      |                                                    |              |              |                  |                                |
| LCAN4/0                      |                      |                                                    |              |              |                  |                                |
| LCB4/0                       |                      |                                                    |              |              |                  |                                |
| LCBN4/0                      |                      |                                                    |              |              |                  |                                |
| LCD4/0                       |                      |                                                    |              |              |                  |                                |
| LCDN4/0                      |                      |                                                    |              |              |                  |                                |
| LCC4/0                       |                      |                                                    |              |              |                  |                                |
| LCCN4/0                      |                      |                                                    |              |              |                  |                                |
| SCSS4/0                      |                      |                                                    |              |              |                  |                                |
| SCS4/0                       |                      |                                                    |              |              |                  |                                |
| SCL4/0                       |                      |                                                    |              |              |                  |                                |

Note: See page B27 for note references.



## Installation Tooling and Die Selection Cross Reference (continued)

| Thomas & Betts                                            |                                                | Burndy                   |      |                                                                                                                        |                                       |                                                    |
|-----------------------------------------------------------|------------------------------------------------|--------------------------|------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------|
| TBM8-750M-1,<br>TBM8-750,<br>TBM8-750BSCR,<br>TMB750BSCR® | TBM14M,<br>TBM14BSCR,<br>BPLT14BSCR,<br>13100A | Y2MR,<br>Y1MRTC,<br>Y1MR | MY29 | Y35,<br>Y35BH,<br>Y39,<br>Y39BH,<br>Y750,<br>Y750-2,<br>Y750BH,<br>Y750BH-2,<br>Y750HS,<br>PAT750,<br>BAT750,<br>BAT35 | Y45, <sup>⑦</sup><br>Y46 <sup>⑦</sup> | Y644M,<br>Y644HS,<br>Y644MBH,<br>PAT644,<br>BAT644 |
| Die Part Number / Color Code & Die Index Number           |                                                |                          |      |                                                                                                                        |                                       |                                                    |
| STD                                                       | Black<br>45                                    | —                        | 2/0  | U26RT<br>Black<br>13                                                                                                   | U26RT<br>Black<br>13                  | STD                                                |
| STD                                                       | Orange<br>50                                   | —                        | 3/0  | U27RT<br>Orange<br>14                                                                                                  | U27RT<br>Orange<br>14                 | STD                                                |
| STD                                                       | Purple<br>54H <sup>②</sup>                     | —                        | 4/0  | U28RT<br>Purple<br>15                                                                                                  | U28RT<br>Purple<br>15                 | STD                                                |

Note: See page B27 for note references.

# Installation Tooling and Die Selection

## Cross Reference (continued)

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size | Thomas & Betts                                     |              |              |                           |                                |
|------------------------------|----------------------|----------------------------------------------------|--------------|--------------|---------------------------|--------------------------------|
|                              |                      | TBM20S,<br>TBM25S                                  | TBM5         | TBM8         | TBM12,<br>13642M          | TBM15,<br>TBM15I,<br>TBM15BSCR |
|                              |                      | Die Part Number / Color Code & Die<br>Index Number |              |              |                           |                                |
| LCAS250                      | 250<br>kcmil         | —                                                  | Yellow<br>62 | Yellow<br>62 | Yellow<br>62              | Yellow<br>62                   |
| LCA250                       |                      |                                                    |              |              |                           |                                |
| LCAN250                      |                      |                                                    |              |              |                           |                                |
| LCB250                       |                      |                                                    |              |              |                           |                                |
| LCBN250                      |                      |                                                    |              |              |                           |                                |
| LCD250                       |                      |                                                    |              |              |                           |                                |
| LCDN250                      |                      |                                                    |              |              |                           |                                |
| LCC250                       |                      |                                                    |              |              |                           |                                |
| LCCN250                      |                      |                                                    |              |              |                           |                                |
| SCSS250                      |                      |                                                    |              |              |                           |                                |
| SCS250                       |                      |                                                    |              |              |                           |                                |
| SCL250                       |                      |                                                    |              |              |                           |                                |
| LCA300                       | 300<br>kcmil         | —                                                  | —            | White<br>66  | White<br>66H <sup>®</sup> | White<br>66                    |
| LCAN300                      |                      |                                                    |              |              |                           |                                |
| LCB300                       |                      |                                                    |              |              |                           |                                |
| LCBN300                      |                      |                                                    |              |              |                           |                                |
| LCD300                       |                      |                                                    |              |              |                           |                                |
| LCDN300                      |                      |                                                    |              |              |                           |                                |
| LCC300                       |                      |                                                    |              |              |                           |                                |
| LCCN300                      |                      |                                                    |              |              |                           |                                |
| SCS300                       |                      |                                                    |              |              |                           |                                |
| SCL300                       |                      |                                                    |              |              |                           |                                |
| LCA350                       | 350<br>kcmil         | —                                                  | —            | Red<br>71    | Red<br>71H <sup>®</sup>   | Red<br>71H <sup>®</sup>        |
| LCAN350                      |                      |                                                    |              |              |                           |                                |
| LCB350                       |                      |                                                    |              |              |                           |                                |
| LCBN350                      |                      |                                                    |              |              |                           |                                |
| LCD350                       |                      |                                                    |              |              |                           |                                |
| LCDN350                      |                      |                                                    |              |              |                           |                                |
| LCC350                       |                      |                                                    |              |              |                           |                                |
| LCCN350                      |                      |                                                    |              |              |                           |                                |
| SCS350                       |                      |                                                    |              |              |                           |                                |
| SCL350                       |                      |                                                    |              |              |                           |                                |

Note: See page B27 for note references.

## Installation Tooling and Die Selection

### Cross Reference (continued)

| Thomas & Betts                                            |                                                | Burndy                   |      |                                                                                                                        |                                       |                                                    |
|-----------------------------------------------------------|------------------------------------------------|--------------------------|------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------|
| TBM8-750M-1,<br>TBM8-750,<br>TBM8-750BSCR,<br>TMB750BSCR® | TBM14M,<br>TBM14BSCR,<br>BPLT14BSCR,<br>13100A | Y2MR,<br>Y1MRTC,<br>Y1MR | MY29 | Y35,<br>Y35BH,<br>Y39,<br>Y39BH,<br>Y750,<br>Y750-2,<br>Y750BH,<br>Y750BH-2,<br>Y750HS,<br>PAT750,<br>BAT750,<br>BAT35 | Y45, <sup>⑦</sup><br>Y46 <sup>⑦</sup> | Y644M,<br>Y644HS,<br>Y644MBH,<br>PAT644,<br>BAT644 |
| Die Part Number / Color Code & Die Index Number           |                                                |                          |      |                                                                                                                        |                                       |                                                    |
| STD                                                       | Yellow<br>62                                   | —                        | 250  | U29RT<br>Yellow<br>16                                                                                                  | U29RT<br>Yellow<br>16                 | STD                                                |
| STD                                                       | White<br>66                                    | —                        | —    | U30RT<br>White<br>17                                                                                                   | U30RT<br>White<br>17                  | STD                                                |
| STD                                                       | Red<br>71H <sup>②</sup>                        | —                        | —    | U31RT<br>Red<br>18                                                                                                     | U31RT<br>Red<br>18                    | STD                                                |

Note: See page B27 for note references.

## Installation Tooling and Die Selection

### Cross Reference (continued)

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size | Thomas & Betts                                     |      |             |                           |                                |
|------------------------------|----------------------|----------------------------------------------------|------|-------------|---------------------------|--------------------------------|
|                              |                      | TBM20S,<br>TBM25S                                  | TBM5 | TBM8        | TBM12,<br>13642M          | TBM15,<br>TBM15I,<br>TBM15BSCR |
|                              |                      | Die Part Number / Color Code & Die<br>Index Number |      |             |                           |                                |
| LCA400                       | 400<br>kcmil         | —                                                  | —    | Blue<br>76  | Blue<br>76H <sup>②</sup>  | Blue<br>76H <sup>②</sup>       |
| LCAN400                      |                      |                                                    |      |             |                           |                                |
| LCB400                       |                      |                                                    |      |             |                           |                                |
| LCBN400                      |                      |                                                    |      |             |                           |                                |
| LCD400                       |                      |                                                    |      |             |                           |                                |
| LCDN400                      |                      |                                                    |      |             |                           |                                |
| LCC400                       |                      |                                                    |      |             |                           |                                |
| LCCN400                      |                      |                                                    |      |             |                           |                                |
| SCS400                       |                      |                                                    |      |             |                           |                                |
| SCL400                       |                      |                                                    |      |             |                           |                                |
| LCA500                       | 500<br>kcmil         | —                                                  | —    | Brown<br>87 | Brown<br>87H <sup>②</sup> | Brown<br>87H <sup>②</sup>      |
| LCAN500                      |                      |                                                    |      |             |                           |                                |
| LCB500                       |                      |                                                    |      |             |                           |                                |
| LCBN500                      |                      |                                                    |      |             |                           |                                |
| LCD500                       |                      |                                                    |      |             |                           |                                |
| LCDN500                      |                      |                                                    |      |             |                           |                                |
| LCC500                       |                      |                                                    |      |             |                           |                                |
| LCCN500                      |                      |                                                    |      |             |                           |                                |
| SCS500                       |                      |                                                    |      |             |                           |                                |
| SCL500                       |                      |                                                    |      |             |                           |                                |
| LCA600                       | 600<br>kcmil         | —                                                  | —    | —           | Green<br>94H <sup>②</sup> | Green<br>94H <sup>②</sup>      |
| LCAN600                      |                      |                                                    |      |             |                           |                                |
| LCB600                       |                      |                                                    |      |             |                           |                                |
| LCBN600                      |                      |                                                    |      |             |                           |                                |
| LCD600                       |                      |                                                    |      |             |                           |                                |
| LCDN600                      |                      |                                                    |      |             |                           |                                |
| LCC600                       |                      |                                                    |      |             |                           |                                |
| LCCN600                      |                      |                                                    |      |             |                           |                                |
| SCS600                       |                      |                                                    |      |             |                           |                                |
| SCL600                       |                      |                                                    |      |             |                           |                                |

Note: See page B27 for note references.

## Installation Tooling and Die Selection Cross Reference (continued)

| Thomas & Betts                                            |                                                | Burndy                   |      |                                                                                                                        |                                       |                                                    |
|-----------------------------------------------------------|------------------------------------------------|--------------------------|------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------|
| TBM8-750M-1,<br>TBM8-750,<br>TBM8-750BSCR,<br>TMB750BSCR® | TBM14M,<br>TBM14BSCR,<br>BPLT14BSCR,<br>13100A | Y2MR,<br>Y1MRTC,<br>Y1MR | MY29 | Y35,<br>Y35BH,<br>Y39,<br>Y39BH,<br>Y750,<br>Y750-2,<br>Y750BH,<br>Y750BH-2,<br>Y750HS,<br>PAT750,<br>BAT750,<br>BAT35 | Y45, <sup>⑦</sup><br>Y46 <sup>⑦</sup> | Y644M,<br>Y644HS,<br>Y644MBH,<br>PAT644,<br>BAT644 |
| Die Part Number / Color Code & Die Index Number           |                                                |                          |      |                                                                                                                        |                                       |                                                    |
| STD                                                       | Blue 76                                        | —                        | —    | U32RT<br>Blue<br>19                                                                                                    | U32RT<br>Blue<br>19                   | STD                                                |
| STD                                                       | Brown<br>87H <sup>②</sup>                      | —                        | —    | U34RT<br>Brown<br>20                                                                                                   | U34RT<br>Brown<br>20                  | STD                                                |
| STD                                                       | Green<br>94H <sup>②</sup>                      | —                        | —    | U36RT<br>Green<br>22                                                                                                   | U36RT<br>Green<br>22                  | STD                                                |

Note: See page B27 for note references.

## Installation Tooling and Die Selection

### Cross Reference (continued)

| PANDUIT<br>Connector<br>Type | Std.<br>Wire<br>Size | Thomas & Betts                                     |      |      |                             |                                |
|------------------------------|----------------------|----------------------------------------------------|------|------|-----------------------------|--------------------------------|
|                              |                      | TBM20S,<br>TBM25S                                  | TBM5 | TBM8 | TBM12,<br>13642M            | TBM15,<br>TBM15I,<br>TBM15BSCR |
|                              |                      | Die Part Number / Color Code & Die<br>Index Number |      |      |                             |                                |
| LCA750                       | 750<br>kcmil         | —                                                  | —    | —    | Black<br>106H <sup>②</sup>  | Black<br>106H <sup>②</sup>     |
| LCAN750                      |                      |                                                    |      |      |                             |                                |
| LCB750                       |                      |                                                    |      |      |                             |                                |
| LCBN750                      |                      |                                                    |      |      |                             |                                |
| LCD750                       |                      |                                                    |      |      |                             |                                |
| LCDN750                      |                      |                                                    |      |      |                             |                                |
| LCC750                       |                      |                                                    |      |      |                             |                                |
| LCCN750                      |                      |                                                    |      |      |                             |                                |
| SCS750                       |                      |                                                    |      |      |                             |                                |
| SCL750                       |                      |                                                    |      |      |                             |                                |
| LCB1000                      | 1000<br>kcmil        | —                                                  | —    | —    | Yellow<br>125H <sup>②</sup> | Yellow<br>125H <sup>②</sup>    |
| LCBN1000                     |                      |                                                    |      |      |                             |                                |
| LCD1000                      |                      |                                                    |      |      |                             |                                |
| LCC1000                      |                      |                                                    |      |      |                             |                                |
| LCCN1000                     |                      |                                                    |      |      |                             |                                |
| SCS1000                      |                      |                                                    |      |      |                             |                                |
| SCL1000                      |                      |                                                    |      |      |                             |                                |

Note: See page B27 for note references.

## Installation Tooling and Die Selection

### Cross Reference (continued)

| Thomas & Betts                                            |                                                | Burdndy                  |      |                                                                                                                        |                                       |                                                    |
|-----------------------------------------------------------|------------------------------------------------|--------------------------|------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------|
| TBM8-750M-1,<br>TBM8-750,<br>TBM8-750BSCR,<br>TMB750BSCR® | TBM14M,<br>TBM14BSCR,<br>BPLT14BSCR,<br>13100A | Y2MR,<br>Y1MRTC,<br>Y1MR | MY29 | Y35,<br>Y35BH,<br>Y39,<br>Y39BH,<br>Y750,<br>Y750-2,<br>Y750BH,<br>Y750BH-2,<br>Y750HS,<br>PAT750,<br>BAT750,<br>BAT35 | Y45, <sup>⑦</sup><br>Y46 <sup>⑦</sup> | Y644M,<br>Y644HS,<br>Y644MBH,<br>PAT644,<br>BAT644 |
| Die Part Number / Color Code & Die Index Number           |                                                |                          |      |                                                                                                                        |                                       |                                                    |
| STD                                                       | Black<br>106H <sup>②</sup>                     | —                        | —    | U39RT<br>Black<br>24                                                                                                   | U39RT<br>Black<br>24                  | STD                                                |
| —                                                         | 125H <sup>②</sup>                              | —                        | —    | —                                                                                                                      | S44RT<br>White<br>27                  | —                                                  |

① The CT-1700 and CT-1701 crimp die pockets are integrated into the tool frame.

② Half width dies.

③ CD-920 dies can be used with CT-940CH and CT-2940 tools with CD-940-DA adapter.

④ CD-940 dies to be used exclusively with CT-940CH and CT-2940 tools.

⑤ Maximum size: 500 kcmil lugs and 250 kcmil splices.

⑥ Maximum size: 250 kcmil lugs and splices.

⑦ Requires U die adapter.

⑧ Minimum size: #4 AWG lugs and splices.

⑨ LCAN2 lugs for use with #2 AWG and #3 AWG wire.

⑩ Extended wire range when crimped with these **PANDUIT® UNI-DIE™** Dieless Crimping Tools, except LCAS parts.

⑪ Maximum splice size for CT-920, CT920CH and CT-2920 tools is 400 kcmil.

## Compression Connector Crimping Tools

### Manual & Battery Powered Die Type Crimping Tools



**CT-1700**



**CT-720**



**CT-930**



**CT-2001**



**CT-2931**



**CT-2940**

| Part Number    | Description                                                                                                                                                                                    | Std. Pkg. Qty. |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CT-1700</b> | Ergonomic, Hand Tool; Includes 5 position color coded rotating die; Installs #8 - #1 AWG <i>PAN-LUG™</i> Compression Connectors.                                                               | 1              |
| <b>CT-720</b>  | Die Type, Manual, Crimping Tool; Installs #8 AWG - 500 kcmil <i>PAN-LUG™</i> Compression Connectors.                                                                                           | 1              |
| <b>CT-930</b>  | Die Type, Manual Hydraulic, 14 Ton, Crimping Tool; Includes tool case with die storage; Installs #14 AWG - 750 kcmil <i>PAN-LUG™</i> Compression Connectors.                                   | 1              |
| <b>CT-2001</b> | Die Type, Battery Powered Hydraulic, 6 Ton, Crimping Tool; Includes two batteries, charger, shoulder strap, tool case; Installs #14 AWG - 500 kcmil <i>PAN-LUG™</i> Compression Connectors.    | 1              |
| <b>CT-2931</b> | Die Type, Battery Powered Hydraulic, 12 Ton, Crimping Tool; Includes two batteries, charger, tool case; Installs #14 AWG - 750 kcmil <i>PAN-LUG™</i> Compression Connectors.                   | 1              |
| <b>CT-2940</b> | Die Type, Battery Powered Hydraulic, 15 Ton, Crimping Tool; Includes two batteries, charger, shoulder strap, tool case; Installs #14 AWG - 1,000 kcmil <i>PAN-LUG™</i> Compression Connectors. | 1              |

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.



## Die Type, High Pressure Remote Hydraulic, Crimp Heads & Hydraulic Pump


**CT-930CH**

**CT-940CH**

**CT-901HP**

**CT-900HPH**

**CT-901RCH**

**CT-901RFS**

| Part Number      | Description                                                                                                                                                                                                                                                                                                | Std. Pkg. Qty. |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CT-930CH</b>  | Die Type, Remote Hydraulic, 14 Ton, Crimp Head; Used with 10,000 PSI hydraulic systems; Includes tool case and female Parker type quick-connect fitting assembled to tool; Installs #14 AWG - 750 kcmil <i>PAN-LUG</i> ™ Compression Connectors.                                                           | 1              |
| <b>CT-940CH</b>  | Die Type, Remote Hydraulic, 15 Ton, Crimp Head; Used with 10,000 PSI hydraulic systems; Includes tool case and female Parker type quick-connect fitting assembled to tool; Installs #10 AWG - 1000 kcmil <i>PAN-LUG</i> ™ Compression Connectors.                                                          | 1              |
| <b>CT-901HP</b>  | Hydraulic Pump; Develops 10,000 PSI output; Includes on/off pendant switch on 10' electric cord, 3 prong A/C plug on 10' electric cord, female Parker type quick-connect fitting assembled to pump; Compatible with CT-900HPH hydraulic hose, CT-930CH, CT-940CH and CT-980CH crimp heads sold separately. | 1              |
| <b>CT-900HPH</b> | Electrically Non-Conductive 10' Hose; Includes two male Parker type quick-connect fittings; Compatible with CT-901HP hydraulic pump and CT-930CH, CT-940CH and CT-980CH crimp heads, sold separately.                                                                                                      | 1              |
| <b>CT-901RCH</b> | Remote Control Handle; Incorporates plastic carrying handle with on/off activation switch for one hand operation; Used with remote hydraulic crimp heads CT-930CH, CT-940CH and CT-980CH; Includes 10' three wire control cable that can be directly connected to the CT-901HP pump.                       | 1              |
| <b>CT-901RFS</b> | Dual Electrical Foot Switch; Allows "hands-free" operation of CT-901HP or CT-8250HP electric hydraulic pumps used with <i>PANDUIT</i> remote hydraulic crimp heads; Includes 10' electric cord.                                                                                                            | 1              |

Prime items appear in **BOLD**.

## Die Type, Low Pressure Remote Hydraulic, Crimp Head & Hydraulic Pump



**CT-930LPCH**



**CT-8250HP**



**CT-900LPHPH**



**CT-901RFS**

| Part Number        | Description                                                                                                                                                                                                                                                                                         | Std. Pkg. Qty. |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CT-930LPCH</b>  | Die Type, Remote Hydraulic, 10.5 Ton, Crimp Head; Includes tool case and male Parker type quick-connect fitting assembled to tool; Installs #8 AWG – 250 kcmil <i>PAN-LUG™</i> Compression Connectors.                                                                                              | 1              |
| <b>CT-8250HP</b>   | Hydraulic Pump; Develops 7,500 PSI output; Includes on/off pendant switch on 10' electric cord, 3 prong A/C plug on 10' electric cord, male Parker type quick-connect fitting assembled to pump; Compatible with CT-900LPHPH hydraulic hose, CT-930LPCH and CT-980LPCH crimp heads sold separately. | 1              |
| <b>CT-900LPHPH</b> | Electrically Non-Conductive 10' Hose; Includes two female Parker type quick-connect fittings; Compatible with CT-901LPHPH hydraulic pump and CT-930LPCH and CT-980LPCH crimp heads.                                                                                                                 | 1              |
| <b>CT-901RFS</b>   | Dual Electrical Foot Switch; Allows "hands-free" operation of CT-901HP or CT-8250HP electric hydraulic pumps used with <i>PANDUIT</i> remote hydraulic crimp heads; Includes 10' electric cord.                                                                                                     | 1              |

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Die Type, Manual, Crimping Tool and Die Kits



- Available with or without controlled cycle feature to meet specific applications
- Kits available with three or full set of seven dies for crimping partial or full range of connector sizes

| Part Number       | Part Description                                                                                                                                                                        | Std. Pkg. Qty. |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CT-720-7</b>   | Tool kit for installing #8 AWG – 500 kcmil <i>PAN-LUG</i> ™ Compression Connectors; Includes seven dies (CD-720-1 through CD-720-7) and carrying/storage case (C-720).                  | 1              |
| <b>CT-720-7CC</b> | Controlled cycle tool kit for installing #8 AWG – 500 kcmil <i>PAN-LUG</i> ™ Compression Connectors; Includes seven dies (CD-720-1 through CD-720-7) and carrying/storage case (C-720). | 1              |
| <b>CT-720-3</b>   | Tool kit for installing #8 AWG – 250 kcmil <i>PAN-LUG</i> ™ Compression Connectors; Includes three dies (CD-720-1 through CD-720-3) and carrying/storage case (C-720).                  | 1              |
| <b>CT-720-3CC</b> | Controlled cycle tool kit for installing #8 AWG – 250 kcmil <i>PAN-LUG</i> ™ Compression Connectors; Includes three dies (CD-720-1 through CD-720-3) and carrying/storage case (C-720). | 1              |
| <b>CC-720</b>     | Optional controlled cycle mechanism only. Total weight of tool with CC-720 is 8.25 lbs.                                                                                                 | 1              |
| <b>C-720</b>      | Steel carrying case for CT-720 crimping tool.                                                                                                                                           | 1              |

Prime items appear in **BOLD**.

## CD-720 Crimping Dies



Compression dies for crimping tool:  
CT-720

| Part Number | Used to Install <i>PANDUIT</i> Compression Lug & Splice Sizes |                                            |                         |                                        | Std. Pkg. Qty. |
|-------------|---------------------------------------------------------------|--------------------------------------------|-------------------------|----------------------------------------|----------------|
|             | Copper Conductor Size                                         | Copper Die Color & Die No.                 | Aluminum Conductor Size | Aluminum Die Color & Die No.           |                |
| CD-720-1    | #8 – #2 AWG                                                   | Red P21, Blue P24, Gray P29, Brown P33     | #6 AWG                  | Gray P29                               | 1              |
| CD-720-2    | #1 – 3/0 AWG                                                  | Green P37, Pink P42, Black P45, Orange P50 | #4 – 1/0 AWG            | Green P37, Pink P42, Gold P45, Tan P50 | 1              |
| CD-720-3    | 4/0 AWG – 250 kcmil                                           | Purple P54, Yellow P62                     | 2/0 – 3/0 AWG           | Olive P54, Ruby P62                    | 1              |
| CD-720-4    | 300 kcmil                                                     | White P66                                  | 4/0 AWG                 | White P66                              | 1              |
| CD-720-5    | 350 kcmil                                                     | Red P71                                    | 250 kcmil               | Red P71                                | 1              |
| CD-720-6    | 400 kcmil                                                     | Blue P76                                   | 300 kcmil               | Blue P76                               | 1              |
| CD-720-7    | 500 kcmil                                                     | Brown P87                                  | 350 kcmil               | Brown P87                              | 1              |
| CD-720PV8-2 | #8 – #2 AWG, vinyl insulated <i>PAN-TERM</i> ® Terminals      | Red, Blue, Yellow                          | —                       | —                                      | 1              |

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## CD-2001 Crimping Dies



Compression dies for crimping tools:  
CT-2001 and CT-2002

| Part Number        | Used to Install <i>PANDUIT</i> Compression Lug & Splice Sizes |                            |                              |                              | Std. Pkg. Qty. |
|--------------------|---------------------------------------------------------------|----------------------------|------------------------------|------------------------------|----------------|
|                    | Copper Code Conductor Size                                    | Copper Die Color & Die No. | Aluminum Code Conductor Size | Aluminum Die Color & Die No. |                |
| <b>CD-2001-8</b>   | #8 AWG                                                        | Red P21                    | —                            | —                            | 1              |
| <b>CD-2001-6</b>   | #6 AWG                                                        | Blue P24                   | —                            | —                            | 1              |
| <b>CD-2001-4</b>   | #4 AWG STR<br>#3 AWG STR<br>#2 AWG SOL                        | Gray P29                   | #6 AWG                       | Gray P29                     | 1              |
| <b>CD-2001-2</b>   | #2 AWG                                                        | Brown P33                  | —                            | —                            | 1              |
| <b>CD-2001-1</b>   | #1 AWG                                                        | Green P37                  | #4 AWG                       | Green P37                    | 1              |
| <b>CD-2001-1/0</b> | 1/0 AWG                                                       | Pink P42                   | #2 AWG                       | Pink P42                     | 1              |
| <b>CD-2001-2/0</b> | 2/0 AWG                                                       | Black P45                  | #1 AWG                       | Gold P45                     | 1              |
| <b>CD-2001-3/0</b> | 3/0 AWG                                                       | Orange P50                 | 1/0 AWG                      | Tan P50                      | 1              |
| <b>CD-2001-4/0</b> | 4/0 AWG                                                       | Purple P54                 | 2/0 AWG                      | Olive P54                    | 1              |
| <b>CD-2001-250</b> | 250 kcmil                                                     | Yellow P62                 | 3/0 AWG                      | Ruby P62                     | 1              |
| <b>CD-2001-300</b> | 300 kcmil                                                     | White P66                  | 4/0 AWG                      | White P66                    | 1              |
| <b>CD-2001-350</b> | 350 kcmil                                                     | Red P71                    | 250 kcmil                    | Red P71                      | 1              |
| <b>CD-2001-400</b> | 400 kcmil                                                     | Blue P76                   | 300 kcmil                    | Blue P76                     | 1              |
| <b>CD-2001-500</b> | 500 kcmil                                                     | Brown P87                  | —                            | —                            | 1              |

Prime items appear in **BOLD**.

## CD-920 Crimping Dies



Compression dies for crimping tools:  
CT-930, CT-2931, CT-2930, CT-2940\*,  
CT-930CH, CT-940CH\* and CT-930LPCH

| Part Number | Used to Install <i>PANDUIT</i> Compression Lug & Splice Sizes |                            |                              |                              | Std. Pkg. Qty. |
|-------------|---------------------------------------------------------------|----------------------------|------------------------------|------------------------------|----------------|
|             | Copper Code Conductor Size                                    | Copper Die Color & Die No. | Aluminum Code Conductor Size | Aluminum Die Color & Die No. |                |
| CD-920-8    | #8 AWG                                                        | Red P21                    | —                            | —                            | 1              |
| CD-920-6    | #6 AWG                                                        | Blue P24                   | —                            | —                            | 1              |
| CD-920-4    | #4 AWG                                                        | Gray P29                   | #6 AWG                       | Gray P29                     | 1              |
| CD-920-2    | #2 AWG                                                        | Brown P33                  | —                            | —                            | 1              |
| CD-920-1    | #1 AWG                                                        | Green P37                  | #4 AWG                       | Green P37                    | 1              |
| CD-920-1/0  | 1/0 AWG                                                       | Pink P42                   | #2 AWG                       | Pink P42                     | 1              |
| CD-920-2/0  | 2/0 AWG                                                       | Black P45                  | #1 AWG                       | Gold P45                     | 1              |
| CD-920-3/0  | 3/0 AWG                                                       | Orange P50                 | 1/0 AWG                      | Tan P50                      | 1              |
| CD-920-4/0  | 4/0 AWG                                                       | Purple P54                 | 2/0 AWG                      | Olive P54                    | 1              |
| CD-920-250  | 250 kcmil                                                     | Yellow P62                 | 3/0 AWG                      | Ruby P62                     | 1              |
| CD-920-300  | 300 kcmil                                                     | White P66                  | 4/0 AWG                      | White P66                    | 1              |
| CD-920-350  | 350 kcmil                                                     | Red P71                    | 250 kcmil                    | Red P71                      | 1              |
| CD-920-400  | 400 kcmil                                                     | Blue P76                   | 300 kcmil                    | Blue P76                     | 1              |
| CD-920-500  | 500 kcmil                                                     | Brown P87                  | 350 kcmil                    | Brown P87                    | 1              |
| CD-920-600  | 600 kcmil                                                     | Green P94                  | 400 kcmil                    | Green P94                    | 1              |
| CD-920-500A | 500 kcmil flex,<br>600 kcmil flex                             | Pink P99                   | 500 kcmil                    | Pink P99                     | 1              |
| CD-920-750  | 750 kcmil                                                     | Black P106                 | 600 kcmil                    | Black P106                   | 1              |

\*Requires CD-940-DA die adapter.

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Die Adapter



Die adapter for crimping tools:  
CT-2940 and CT-940CH

| Part Number | Part Description                                                                  | Std. Pkg. Qty. |
|-------------|-----------------------------------------------------------------------------------|----------------|
| CD-940-DA   | Die Adapter for use with <i>PANDUIT</i> CD-920, CDM-920 and CD-930 crimping dies. | 1              |

## CD-940 Crimping Dies

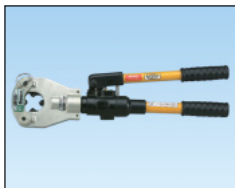


Compression dies for crimping tools:  
CT-2940 and CT-940CH

| Part Number         | Used to Install <i>PANDUIT</i> Compression Lug & Splice Sizes |                            |                         |                              | Std. Pkg. Qty. |
|---------------------|---------------------------------------------------------------|----------------------------|-------------------------|------------------------------|----------------|
|                     | Copper Conductor Size                                         | Copper Die Color & Die No. | Aluminum Conductor Size | Aluminum Die Color & Die No. |                |
| <b>CD-940-750</b>   | 750 kcmil                                                     | Black P106                 | —                       | —                            | 1              |
| <b>CD-940-800</b>   | 800 kcmil                                                     | Orange P107                | —                       | —                            | 1              |
| <b>CD-940-1000</b>  | 1000 kcmil                                                    | White P125                 | —                       | —                            | 1              |
| <b>CD-940-750X</b>  | 777.7 kcmil flex                                              | Yellow P115                | —                       | —                            | 1              |
| <b>CD-940-750A</b>  | —                                                             | —                          | 750 kcmil               | Red P125                     | 1              |
| <b>CD-940-800A</b>  | —                                                             | —                          | 800 kcmil               | Gray P140                    | 1              |
| <b>CD-940-1000A</b> | —                                                             | —                          | 1000 kcmil              | Brown P161                   | 1              |

Prime items appear in **BOLD**.

## UNI-DIE™ Dieless, Crimping Tools and Crimp Heads



**CT-980**



**CT-2981**



**CT-980CH**



**CT-980LPCH**

| Part Number       | Description                                                                                                                                                                                                                                             | Std. Pkg. Qty. |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CT-980</b>     | UNI-DIE™ Dieless, Manual Hydraulic, 6.2 Ton, Crimping Tool; Includes tool case; Installs #4 AWG - 750 kcmil <i>PAN-LUG</i> ™ Compression Connectors.                                                                                                    | 1              |
| <b>CT-2981</b>    | UNI-DIE™ Dieless, Battery Powered Hydraulic, 6.2 Ton, Crimping Tool; Includes two batteries, charger, tool case; Installs #4 AWG - 750 kcmil <i>PAN-LUG</i> ™ Compression Connectors.                                                                   | 1              |
| <b>CT-980CH</b>   | UNI-DIE™ Dieless, Remote Hydraulic, 6.2 Ton, Crimp Head used with 10,000 PSI hydraulic system; Includes tool case and female Parker type quick-connect fitting assembled to tool; Installs #4 AWG - 750 kcmil <i>PAN-LUG</i> ™ Compression Connectors.▲ | 1              |
| <b>CT-980LPCH</b> | UNI-DIE™ Dieless, Remote Hydraulic, 4.7 Ton, Crimp Head; Includes tool case and male Parker type quick-connect fitting assembled to tool; Installs #4 AWG - 250 kcmil <i>PAN-LUG</i> ™ Compression Connectors.■                                         | 1              |

▲CT-980CH to be used with CT-901HP and CT-900HPH. See page B29 for more information.

■CT-980LPCH to be used with CT-8250HP, CT-900LPHPH and CT-901RFS. See page B30 for more information.

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.



## Pressure Gauges



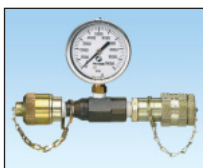
**CG-920**



**CG-940**



**CG-980**



**PG-1**

| Part Number   | Description                                                                                                                                                                                                          | Std. Pkg. Qty. |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CG-920</b> | Compression Gauge; Used to measure crimping force generated by <i>PANDUIT</i> crimping tools: CT-930, CT-930CH, CT-930LPCH, CT-2930 and CT-2931; Includes blank die set and storage case.                            | 1              |
| <b>CG-940</b> | Compression Gauge; Used to measure output force generated by <i>PANDUIT</i> crimping tools: CT-940CH and CT-2940; Includes blank die set and storage case.                                                           | 1              |
| <b>CG-980</b> | Compression Gauge; Used to insure proper compression force for <i>UNI-DIE™</i> Dieless Crimping Tools: CT-980, CT-980CH, CT-2980 and CT-2981; Includes fixture for mounting gauge in crimping tool and storage case. | 1              |
| <b>PG-1</b>   | In-Line Pressure Gauge; Provides visual verification of hydraulic output pressure when used with CT-930LPCH and CT-980LPCH crimp heads, CT-8250HP pump and CT-900LPHPH hose; Includes storage case.                  | 1              |
| <b>PG-1SC</b> | In-Line Pressure Gauge provides visual identification of hydraulic output pressure when used with <i>PANDUIT</i> CT-8250HP pump and CT-900LPHPH hose; Includes steel storage case.                                   | 1              |

Prime items appear in **BOLD**.

## Features and Benefits — *PAN-LUG*™ Compression Connectors

Bolded features are unique to *PANDUIT*.

### Copper Lugs

Color coded bands for proper die selection and crimp placement

Easy-to-read, color coded die index numbers for *PANDUIT* and specified competitor crimping dies for selection

Made from seamless, high conductivity copper tubing and electro tin plated and burnished to inhibit corrosion

Internally beveled barrel end for easy conductor insertion (types LCCF and LCAF available with flared entry for flex conductor)

Inspection windows available to assure complete conductor insertion

Part number, stud size and conductor size marked on part for easy identification



### Aluminum Lugs

Easy-to-read die index numbers for *PANDUIT* and specified competitor crimping dies for selection

Part number and conductor size marked on part for easy identification

Made from seamless wrought aluminum and electro tin plated to inhibit corrosion

Color coded end plugs for proper die selection

Crimping areas marked on part for proper crimp placement

Factory pre-filled with oxide inhibitor to prevent oxidation



## Features and Benefits — *PAN-LUG*™ Compression Connectors (continued)

### Copper HTAPs

Easy-to-read, color coded die index number for **PANDUIT** crimping dies, legible after crimping, for selection

Conductor sizes for each tap pocket marked on part

Part number and agency listings marked on part for easy identification

Slotted design to reduce installation time when used with **PANDUIT** cable ties (included)

Made from high conductivity copper and electro tin plated to inhibit corrosion



### Clear Covers for Copper HTAPs

Optically clear to allow 360° inspections

Made from high impact strength self-extinguishing plastic with UL94V-0 flammability rating and minimum oxygen index of 28

Built-in flanges retain HTAP in cover

Easy to assemble snap-on design

Molded in flash barriers protect against electrical flash over

Retainer clips to hold labels inside cover\*. Retainer clips have a write-on surface for manual marking

Corresponding **PANDUIT** HTAP part number, voltage rating and temperature rating molded into cover half for easy identification

Low profile design minimizes space requirements

Flexible fingers closely conform to conductor preventing foreign objects from entering cover



\*Labels shown printed with **PANDUIT** LS7 Printer.

### Copper In-Line Reducing Splices

Internally beveled barrel end for easy conductor insertion

Easy-to-read, color coded die index numbers for **PANDUIT** and specified competitor crimping dies for selection

Made from seamless, high conductivity copper tubing and electro tin plated and burnished to inhibit corrosion

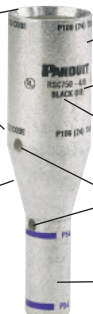
Compact size provides low profile installation

Part number and conductor size and type marked on part for easy identification

Color coded for proper die selection

Inspection windows to assure complete conductor insertion

Crimping areas marked on each barrel for proper crimp placement



## PAN-LUG™ Copper Compression Connectors

### Code Conductor, One-Hole, Short Barrel with Window Lug



#### Type LCAS

- For use with stranded copper conductors
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**
- Tested by Telcordia – meets NEBS Level 3



| Part Number         | Copper Conductor Size | Stud Hole Size (In.) | Std. Pkg. Qty. |
|---------------------|-----------------------|----------------------|----------------|
| <b>LCAS8-10-L</b>   | #8 AWG                | #10                  | 50             |
| <b>LCAS8-14-L</b>   |                       | 1/4                  | 50             |
| LCAS8-56-L          |                       | 5/16                 | 50             |
| LCAS8-38-L          |                       | 3/8                  | 50             |
| <b>LCAS6-10-L</b>   | #6 AWG                | #10                  | 50             |
| <b>LCAS6-14-L</b>   |                       | 1/4                  | 50             |
| <b>LCAS6-56-L</b>   |                       | 5/16                 | 50             |
| LCAS6-38-L          |                       | 3/8                  | 50             |
| <b>LCAS4-10-L</b>   | #4 AWG                | #10                  | 50             |
| <b>LCAS4-14-L</b>   |                       | 1/4                  | 50             |
| <b>LCAS4-56-L</b>   |                       | 5/16                 | 50             |
| LCAS4-38-L          |                       | 3/8                  | 50             |
| <b>LCAS2-14-Q</b>   | #2 AWG                | 1/4                  | 25             |
| <b>LCAS2-56-Q</b>   |                       | 5/16                 | 25             |
| <b>LCAS2-38-Q</b>   |                       | 3/8                  | 25             |
| <b>LCAS1-14-E</b>   | #1 AWG                | 1/4                  | 20             |
| <b>LCAS1-56-E</b>   |                       | 5/16                 | 20             |
| <b>LCAS1-38-E</b>   |                       | 3/8                  | 20             |
| <b>LCAS1/0-38-X</b> | 1/0 AWG               | 3/8                  | 10             |
| <b>LCAS2/0-14-X</b> | 2/0 AWG               | 1/4                  | 10             |
| <b>LCAS2/0-38-X</b> |                       | 3/8                  | 10             |
| LCAS2/0-12-X        |                       | 1/2                  | 10             |
| <b>LCAS3/0-38-X</b> | 3/0 AWG               | 3/8                  | 10             |
| LCAS4/0-38-X        | 4/0 AWG               | 3/8                  | 10             |
| <b>LCAS4/0-12-X</b> |                       | 1/2                  | 10             |
| <b>LCAS250-12-X</b> | 250 kcmil             | 1/2                  | 10             |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Code Conductor, One-Hole, Standard Barrel with Window Lug



### Type LCA

- For use with stranded copper conductors
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**
- Tested by Telcordia – meets NEBS Level 3



| Part Number        | Copper Conductor Size       | Stud Hole Size (In.) | Std. Pkg. Qty. |
|--------------------|-----------------------------|----------------------|----------------|
| <b>LCA8-10-L</b>   | #8 AWG                      | #10                  | 50             |
| <b>LCA8-14-L</b>   |                             | 1/4                  | 50             |
| <b>LCA8-56-L</b>   |                             | 5/16                 | 50             |
| <b>LCA8-38-L</b>   |                             | 3/8                  | 50             |
| <b>LCA6-10-L</b>   | #6 AWG                      | #10                  | 50             |
| <b>LCA6-14-L</b>   |                             | 1/4                  | 50             |
| <b>LCA6-56-L</b>   |                             | 5/16                 | 50             |
| <b>LCA6-38-L</b>   |                             | 3/8                  | 50             |
| <b>LCA4-14-L</b>   | #4 – #3 AWG STR, #2 AWG SOL | 1/4                  | 50             |
| <b>LCA4-56-L</b>   |                             | 5/16                 | 50             |
| <b>LCA4-38-L</b>   |                             | 3/8                  | 50             |
| <b>LCA2-14-Q</b>   | #2 AWG                      | 1/4                  | 25             |
| <b>LCA2-56-Q</b>   |                             | 5/16                 | 25             |
| <b>LCA2-38-Q</b>   |                             | 3/8                  | 25             |
| <b>LCA2-12-Q</b>   |                             | 1/2                  | 25             |
| <b>LCA1-14-E</b>   | #1 AWG                      | 1/4                  | 20             |
| <b>LCA1-56-E</b>   |                             | 5/16                 | 20             |
| <b>LCA1-38-E</b>   |                             | 3/8                  | 20             |
| <b>LCA1-12-E</b>   |                             | 1/2                  | 20             |
| <b>LCA1/0-14-X</b> | 1/0 AWG                     | 1/4                  | 10             |
| <b>LCA1/0-56-X</b> |                             | 5/16                 | 10             |
| <b>LCA1/0-38-X</b> |                             | 3/8                  | 10             |
| <b>LCA1/0-12-X</b> |                             | 1/2                  | 10             |
| <b>LCA2/0-14-X</b> | 2/0 AWG                     | 1/4                  | 10             |
| <b>LCA2/0-56-X</b> |                             | 5/16                 | 10             |
| <b>LCA2/0-38-X</b> |                             | 3/8                  | 10             |
| <b>LCA2/0-12-X</b> |                             | 1/2                  | 10             |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

continued on page B42

Prime items appear in **BOLD**.

## Code Conductor, One-Hole, Standard Barrel with Window Lug (continued)



### Type LCA

- For use with stranded copper conductors
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**
- Tested by Telcordia – meets NEBS Level 3



| Part Number        | Copper Conductor Size | Stud Hole Size (In.) | Std. Pkg. Qty. |
|--------------------|-----------------------|----------------------|----------------|
| LCA3/0-14-X        | 3/0 AWG               | 1/4                  | 10             |
| <b>LCA3/0-56-X</b> |                       | 5/16                 | 10             |
| <b>LCA3/0-38-X</b> |                       | 3/8                  | 10             |
| <b>LCA3/0-12-X</b> |                       | 1/2                  | 10             |
| LCA4/0-56-X        | 4/0 AWG               | 5/16                 | 10             |
| <b>LCA4/0-38-X</b> |                       | 3/8                  | 10             |
| <b>LCA4/0-12-X</b> |                       | 1/2                  | 10             |
| <b>LCA250-56-X</b> | 250 kcmil             | 5/16                 | 10             |
| <b>LCA250-38-X</b> |                       | 3/8                  | 10             |
| <b>LCA250-12-X</b> |                       | 1/2                  | 10             |
| LCA300-12-X        | 300 kcmil             | 1/2                  | 10             |
| <b>LCA350-38-X</b> | 350 kcmil             | 3/8                  | 10             |
| <b>LCA350-12-X</b> |                       | 1/2                  | 10             |
| <b>LCA400-12-6</b> | 400 kcmil             | 1/2                  | 6              |
| <b>LCA500-12-6</b> | 500 kcmil             | 1/2                  | 6              |
| <b>LCA600-12-6</b> | 600 kcmil             | 1/2                  | 6              |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Code Conductor, One-Hole, Long Barrel Lug



### Type LCB

- For use with stranded copper conductors
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**
- Tested by Telcordia – meets NEBS Level 3



| Part Number        | Copper Conductor Size      | Stud Hole Size (In.) | Std. Pkg. Qty. |
|--------------------|----------------------------|----------------------|----------------|
| <b>LCB8-14-L</b>   | #8 AWG                     | 1/4                  | 50             |
| <b>LCB6-14-L</b>   | #6 AWG                     | 1/4                  | 50             |
| <b>LCB6-38-L</b>   |                            | 3/8                  | 50             |
| <b>LCB4-14-L</b>   | #4 – 3 AWG STR, #2 AWG SOL | 1/4                  | 50             |
| <b>LCB2-56-Q</b>   | #2 AWG                     | 5/16                 | 25             |
| <b>LCB1-56-E</b>   | #1 AWG                     | 5/16                 | 20             |
| <b>LCB1/0-38-X</b> | 1/0 AWG                    | 3/8                  | 10             |
| <b>LCB2/0-38-X</b> | 2/0 AWG                    | 3/8                  | 10             |
| <b>LCB2/0-12-X</b> |                            | 1/2                  | 10             |
| <b>LCB3/0-38-X</b> | 3/0 AWG                    | 3/8                  | 10             |
| <b>LCB3/0-12-X</b> |                            | 1/2                  | 10             |
| <b>LCB4/0-38-X</b> | 4/0 AWG                    | 3/8                  | 10             |
| <b>LCB4/0-12-X</b> |                            | 1/2                  | 10             |
| <b>LCB250-12-X</b> | 250 kcmil                  | 1/2                  | 10             |
| <b>LCB350-12-X</b> | 350 kcmil                  | 1/2                  | 10             |
| <b>LCB500-12-6</b> | 500 kcmil                  | 1/2                  | 6              |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

Prime items appear in **BOLD**.

## Code Conductor, Two-Hole, Standard Barrel with Window Lug



### Type LCD

- For use with stranded copper conductors
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**
- Tested by Telcordia – meets NEBS Level 3



| Part Number         | Copper Conductor Size          | Stud Hole Size (In.) | Stud Hole Spacing (In.) | Std. Pkg. Qty. |
|---------------------|--------------------------------|----------------------|-------------------------|----------------|
| <b>LCD8-10A-L</b>   | #8 AWG                         | #10                  | .63                     | 50             |
| <b>LCD8-14A-L</b>   |                                | 1/4                  | .63                     | 50             |
| <b>LCD8-14B-L</b>   |                                | 1/4                  | .75                     | 50             |
| <b>LCD8-14D-L</b>   |                                | 1/4                  | 1.00                    | 50             |
| <b>LCD6-10A-L</b>   | #6 AWG                         | #10                  | .63                     | 50             |
| <b>LCD6-14A-L</b>   |                                | 1/4                  | .63                     | 50             |
| <b>LCD6-14B-L</b>   |                                | 1/4                  | .75                     | 50             |
| <b>LCD6-14D-L</b>   |                                | 1/4                  | 1.00                    | 50             |
| <b>LCD6-38D-L</b>   |                                | 3/8                  | 1.00                    | 50             |
| <b>LCD4-14A-L</b>   | #4 – #3 AWG STR,<br>#2 AWG SOL | 1/4                  | .63                     | 50             |
| <b>LCD4-14B-L</b>   |                                | 1/4                  | .75                     | 50             |
| <b>LCD4-14D-L</b>   |                                | 1/4                  | 1.00                    | 50             |
| <b>LCD4-38D-L</b>   |                                | 3/8                  | 1.00                    | 50             |
| <b>LCD2-14A-Q</b>   | #2 AWG                         | 1/4                  | .63                     | 25             |
| <b>LCD2-14B-Q</b>   |                                | 1/4                  | .75                     | 25             |
| <b>LCD2-14D-Q</b>   |                                | 1/4                  | 1.00                    | 25             |
| <b>LCD2-38D-Q</b>   |                                | 3/8                  | 1.00                    | 25             |
| <b>LCD1-14A-E</b>   | #1 AWG                         | 1/4                  | .63                     | 20             |
| <b>LCD1-38D-E</b>   |                                | 3/8                  | 1.00                    | 20             |
| <b>LCD1/0-38D-X</b> | 1/0 AWG                        | 3/8                  | 1.00                    | 10             |
| <b>LCD2/0-14B-X</b> | 2/0 AWG                        | 1/4                  | .75                     | 10             |
| <b>LCD2/0-38D-X</b> |                                | 3/8                  | 1.00                    | 10             |
| <b>LCD3/0-38D-X</b> | 3/0 AWG                        | 3/8                  | 1.00                    | 10             |
| <b>LCD4/0-38D-X</b> | 4/0 AWG                        | 3/8                  | 1.00                    | 10             |
| <b>LCD250-38D-X</b> | 250 kcmil                      | 3/8                  | 1.00                    | 10             |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.



## Code Conductor, Two-Hole, Long Barrel Lug



### Type LCC

- For use with stranded copper conductors
- **UL Listed and CSA Certified** when crimped with **PANDUIT** and specified competitor crimping tools and dies
- Tested by Telcordia – meets NEBS Level 3



| Part Number         | Copper Conductor Size          | Stud Hole Size (In.) | Stud Hole Spacing (In.) | Std. Pkg. Qty. |
|---------------------|--------------------------------|----------------------|-------------------------|----------------|
| <b>LCC8-14A-L</b>   | #8 AWG                         | 1/4                  | .63                     | 50             |
| <b>LCC6-14A-L</b>   | #6 AWG                         | 1/4                  | .63                     | 50             |
| LCC6-14B-L          |                                | 1/4                  | .75                     | 50             |
| <b>LCC6-38D-L</b>   |                                | 3/8                  | 1.00                    | 50             |
| <b>LCC4-14A-L</b>   | #4 – #3 AWG STR,<br>#2 AWG SOL | 1/4                  | .63                     | 50             |
| <b>LCC2-56B-Q</b>   | #2 AWG                         | 5/16                 | .75                     | 25             |
| <b>LCC2-38D-Q</b>   |                                | 3/8                  | 1.00                    | 25             |
| LCC2-38-Q           |                                | 3/8                  | 1.75                    | 25             |
| LCC2-12-Q           |                                | 1/2                  | 1.75                    | 25             |
| <b>LCC1-14A-E</b>   | #1 AWG                         | 1/4                  | .63                     | 20             |
| LCC1/0-12-X         | 1/0 AWG                        | 1/2                  | 1.75                    | 10             |
| LCC2/0-38D-X        | 2/0 AWG                        | 3/8                  | 1.00                    | 10             |
| LCC2/0-12-X         |                                | 1/2                  | 1.75                    | 10             |
| LCC3/0-12-X         | 3/0 AWG                        | 1/2                  | 1.75                    | 10             |
| <b>LCC4/0-12-X◆</b> | 4/0 AWG                        | 1/2                  | 1.75                    | 10             |
| <b>LCC250-12-X◆</b> | 250 kcmil                      | 1/2                  | 1.75                    | 10             |
| <b>LCC300-12-X◆</b> | 300 kcmil                      | 1/2                  | 1.75                    | 10             |
| <b>LCC350-12-X◆</b> | 350 kcmil                      | 1/2                  | 1.75                    | 10             |
| <b>LCC400-12-6◆</b> | 400 kcmil                      | 1/2                  | 1.75                    | 6              |
| <b>LCC500-12-6◆</b> | 500 kcmil                      | 1/2                  | 1.75                    | 6              |
| <b>LCC600-12-6◆</b> | 600 kcmil                      | 1/2                  | 1.75                    | 6              |
| <b>LCC750-12-6◆</b> | 750 kcmil                      | 1/2                  | 1.75                    | 6              |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

◆NEMA hole sizes and spacing.

Prime items appear in **BOLD**.

## Code Conductor, Standard Barrel, Butt Splice



### Type SCS

- For use with stranded copper conductors
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**
- Tested by Telcordia – meets NEBS Level 3



| Part Number     | Copper Conductor Size          | Length (In.) | Std. Pkg. Qty. |
|-----------------|--------------------------------|--------------|----------------|
| <b>SCS8-L</b>   | #8 AWG                         | 1.50         | 50             |
| <b>SCS6-L</b>   | #6 AWG                         | 1.75         | 50             |
| <b>SCS4-L</b>   | #4 – #3 AWG STR,<br>#2 AWG SOL | 1.75         | 50             |
| <b>SCS2-Q</b>   | #2 AWG                         | 1.87         | 25             |
| <b>SCS1-E</b>   | #1 AWG                         | 1.87         | 20             |
| <b>SCS1/0-X</b> | 1/0 AWG                        | 1.87         | 10             |
| <b>SCS2/0-X</b> | 2/0 AWG                        | 2.00         | 10             |
| <b>SCS3/0-X</b> | 3/0 AWG                        | 2.12         | 10             |
| <b>SCS4/0-X</b> | 4/0 AWG                        | 2.12         | 10             |
| <b>SCS250-X</b> | 250 kcmil                      | 2.25         | 10             |
| <b>SCS350-X</b> | 350 kcmil                      | 2.37         | 10             |
| <b>SCS500-6</b> | 500 kcmil                      | 2.87         | 6              |

For complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Code Conductor, Long Barrel, Butt Splice



### Type SCL

- For use with stranded copper conductors
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**
- Tested by Telcordia – meets NEBS Level 3



| Part Number     | Copper Conductor Size          | Length (In.) | Std. Pkg. Qty. |
|-----------------|--------------------------------|--------------|----------------|
| <b>SCL8-L</b>   | #8 AWG                         | 2.25         | 50             |
| <b>SCL6-L</b>   | #6 AWG                         | 2.38         | 50             |
| <b>SCL4-L</b>   | #4 – #3 AWG STR,<br>#2 AWG SOL | 2.38         | 50             |
| <b>SCL2-Q</b>   | #2 AWG                         | 2.62         | 25             |
| <b>SCL1-E</b>   | #1 AWG                         | 2.87         | 20             |
| <b>SCL1/0-X</b> | 1/0 AWG                        | 2.87         | 10             |
| <b>SCL2/0-X</b> | 2/0 AWG                        | 3.13         | 10             |
| <b>SCL3/0-X</b> | 3/0 AWG                        | 3.12         | 10             |
| <b>SCL4/0-X</b> | 4/0 AWG                        | 3.37         | 10             |
| <b>SCL250-X</b> | 250 kcmil                      | 3.38         | 10             |
| <b>SCL350-X</b> | 350 kcmil                      | 4.12         | 10             |
| <b>SCL500-6</b> | 500 kcmil                      | 4.62         | 6              |
| <b>SCL600-6</b> | 600 kcmil                      | 5.50         | 6              |

For complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

## Code Conductor, Parallel Splice



### Type PS

- For use with stranded copper conductors

| Part Number    | Circular MIL Range |         | Length (In.) | Std. Pkg. Qty. |
|----------------|--------------------|---------|--------------|----------------|
|                | Min.               | Max.    |              |                |
| <b>PS8-L</b>   | 19,000             | 25,000  | .40          | 50             |
| <b>PS6-L</b>   | 25,000             | 40,000  | .44          | 50             |
| <b>PS2-Q</b>   | 65,000             | 100,000 | .64          | 25             |
| <b>PS4/0-X</b> | 240,000            | 280,000 | .77          | 10             |

For complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

Prime items appear in **BOLD**.

## Flex Conductor, One-Hole, Standard Barrel with Window Lug



### Type LCAX

- For use with flexible and extra-flexible copper conductors
- For use with code stranded copper conductors up to 4/0 AWG
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**



| Part Number  | Flex Conductor Size |                | Stud Hole Size (In.) | Std. Pkg. Qty. |
|--------------|---------------------|----------------|----------------------|----------------|
|              | Class G, H, I, K, M | Locomotive     |                      |                |
| LCAX8-10-L   | #8 AWG              | #8 AWG         | #10                  | 50             |
| LCAX8-14-L   |                     |                | 1/4                  | 50             |
| LCAX8-56-L   |                     |                | 5/16                 | 50             |
| LCAX8-38-L   |                     |                | 3/8                  | 50             |
| LCAX6-10-L   | #6 AWG              | #6 AWG         | #10                  | 50             |
| LCAX6-14-L   |                     |                | 1/4                  | 50             |
| LCAX6-56-L   |                     |                | 5/16                 | 50             |
| LCAX6-38-L   |                     |                | 3/8                  | 50             |
| LCAX4-14-L   | #4 AWG              | #5, #4, #3 AWG | 1/4                  | 50             |
| LCAX4-56-L   |                     |                | 5/16                 | 50             |
| LCAX4-38-L   |                     |                | 3/8                  | 50             |
| LCAX2-14-E   | #2 AWG              | #2 AWG         | 1/4                  | 20             |
| LCAX2-56-E   |                     |                | 5/16                 | 20             |
| LCAX2-38-E   |                     |                | 3/8                  | 20             |
| LCAX2-12-E   |                     |                | 1/2                  | 20             |
| LCAX1-14-X   | #1 AWG              | #1 AWG         | 1/4                  | 10             |
| LCAX1-56-X   |                     |                | 5/16                 | 10             |
| LCAX1-38-X   |                     |                | 3/8                  | 10             |
| LCAX1-12-X   |                     |                | 1/2                  | 10             |
| LCAX1/0-14-X | 1/0 AWG             | 1/0 AWG        | 1/4                  | 10             |
| LCAX1/0-56-X |                     |                | 5/16                 | 10             |
| LCAX1/0-38-X |                     |                | 3/8                  | 10             |
| LCAX1/0-12-X |                     |                | 1/2                  | 10             |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com)

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Flex Conductor, One-Hole, Standard Barrel with Window Lug (continued)



### Type LCAX

- For use with flexible and extra-flexible copper conductors
- For use with code stranded copper conductors up to 4/0 AWG
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**



| Part Number  | Flex Conductor Size |             | Stud Hole Size (In.) | Std. Pkg. Qty. |
|--------------|---------------------|-------------|----------------------|----------------|
|              | Class G, H, I, K, M | Locomotive  |                      |                |
| LCAX2/0-14-X | 2/0 AWG             | 2/0 AWG     | 1/4                  | 10             |
| LCAX2/0-56-X |                     |             | 5/16                 | 10             |
| LCAX2/0-38-X |                     |             | 3/8                  | 10             |
| LCAX2/0-12-X |                     |             | 1/2                  | 10             |
| LCAX3/0-14-X | 3/0 AWG             | 3/0 AWG     | 1/4                  | 10             |
| LCAX3/0-56-X |                     |             | 5/16                 | 10             |
| LCAX3/0-38-X |                     |             | 3/8                  | 10             |
| LCAX3/0-12-X |                     |             | 1/2                  | 10             |
| LCAX4/0-56-X | 4/0 AWG             | 4/0 AWG     | 5/16                 | 10             |
| LCAX4/0-38-X |                     |             | 3/8                  | 10             |
| LCAX4/0-12-X |                     |             | 1/2                  | 10             |
| LCAX250-56-X | 250 kcmil           | 262.6 kcmil | 5/16                 | 10             |
| LCAX250-38-X |                     |             | 3/8                  | 10             |
| LCAX250-12-X |                     |             | 1/2                  | 10             |
| LCAX300-12-6 | 300 kcmil           | 313.1 kcmil | 1/2                  | 6              |
| LCAX350-38-6 | 350 kcmil           | 373.7 kcmil | 3/8                  | 6              |
| LCAX350-12-6 |                     |             | 1/2                  | 6              |
| LCAX500-12-6 | 500 kcmil           | 535.3 kcmil | 1/2                  | 6              |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

Prime items appear in **BOLD**.

## Flex Conductor, One-Hole, Standard Barrel with Window, Flared Lug



### Type LCAF

- For use with flexible and extra-flexible copper conductors
- Tested by Telcordia – meets NEBS Level 3



| Part Number         | Flex Conductor Size |             | Stud Hole Size (In.) | Std. Pkg. Qty. |
|---------------------|---------------------|-------------|----------------------|----------------|
|                     | Class K & M         | Locomotive  |                      |                |
| LCAF6-14-L          | #6 AWG              | #6 AWG      | 1/4                  | 50             |
| LCAF6-38-L          |                     |             | 3/8                  | 50             |
| <b>LCAF4-14-L</b>   | #4 AWG              | #4 AWG      | 1/4                  | 50             |
| LCAF4-38-L          |                     |             | 3/8                  | 50             |
| <b>LCAF2-14-E</b>   | #2 AWG              | #2 AWG      | 1/4                  | 20             |
| <b>LCAF2-38-E</b>   |                     |             | 3/8                  | 20             |
| LCAF1-38-X          | #1 AWG              | #1 AWG      | 3/8                  | 10             |
| <b>LCAF1/0-14-X</b> | 1/0 AWG             | 1/0 AWG     | 1/4                  | 10             |
| <b>LCAF1/0-56-X</b> |                     |             | 5/16                 | 10             |
| <b>LCAF1/0-38-X</b> |                     |             | 3/8                  | 10             |
| LCAF1/0-12-X        |                     |             | 1/2                  | 10             |
| <b>LCAF2/0-38-X</b> | 2/0 AWG             | 2/0 AWG     | 3/8                  | 10             |
| LCAF2/0-12-X        |                     |             | 1/2                  | 10             |
| LCAF3/0-38-X        | 3/0 AWG             | 3/0 AWG     | 3/8                  | 10             |
| LCAF3/0-12-X        |                     |             | 1/2                  | 10             |
| LCAF4/0-38-X        | 4/0 AWG             | 4/0 AWG     | 3/8                  | 10             |
| <b>LCAF4/0-12-X</b> |                     |             | 1/2                  | 10             |
| LCAF250-12-X        | 250 kcmil           | 262.6 kcmil | 1/2                  | 10             |
| <b>LCAF350-12-6</b> | 350 kcmil           | 373.7 kcmil | 1/2                  | 6              |
| LCAF400-12-6        | 400 kcmil           | 444.4 kcmil | 1/2                  | 6              |
| LCAF600-12-6        | —                   | 646.4 kcmil | 1/2                  | 6              |

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Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.

## Flex Conductor, One-Hole, Long Barrel with Window Lug



### Type LCBX

- For use with flexible and extra-flexible copper conductors
- For use with code stranded copper conductors up to 4/0 AWG
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**



| Part Number         | Flex Conductor Size |                | Stud Hole Size (In.) | Std. Pkg. Qty. |
|---------------------|---------------------|----------------|----------------------|----------------|
|                     | Class G, H, I, K, M | Locomotive     |                      |                |
| <b>LCBX8-14-L</b>   | #8 AWG              | #8 AWG         | 1/4                  | 50             |
| <b>LCBX6-14-L</b>   | #6 AWG              | #6 AWG         | 1/4                  | 50             |
| <b>LCBX6-38-L</b>   |                     |                | 3/8                  | 50             |
| <b>LCBX4-14-L</b>   | #4 AWG              | #5, #4, #3 AWG | 1/4                  | 50             |
| <b>LCBX1-56-X</b>   | #1 AWG              | #1 AWG         | 5/16                 | 10             |
| <b>LCBX1/0-38-X</b> | 1/0 AWG             | 1/0 AWG        | 3/8                  | 10             |
| <b>LCBX2/0-38-X</b> | 2/0 AWG             | 2/0 AWG        | 3/8                  | 10             |
| <b>LCBX2/0-12-X</b> |                     |                | 1/2                  | 10             |
| <b>LCBX3/0-38-X</b> | 3/0 AWG             | 3/0 AWG        | 3/8                  | 10             |
| <b>LCBX4/0-38-X</b> | 4/0 AWG             | 4/0 AWG        | 3/8                  | 10             |
| <b>LCBX4/0-12-X</b> |                     |                | 1/2                  | 10             |
| <b>LCBX350-12-6</b> | 350 kcmil           | 373.7 kcmil    | 1/2                  | 6              |
| <b>LCBX500-12-6</b> | 500 kcmil           | 535.3 kcmil    | 1/2                  | 6              |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

Prime items appear in **BOLD**.

## Flex Conductor, Two-Hole, Standard Barrel with Window Lug



### Type LCDX

- For use with flexible and extra-flexible copper conductors
- For use with code stranded copper conductors up to 4/0 AWG
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**



| Part Number          | Flex Conductor Size |                | Stud Hole Size (In.) | Std. Pkg. Qty. |
|----------------------|---------------------|----------------|----------------------|----------------|
|                      | Class G, H, I, K, M | Locomotive     |                      |                |
| LCDX8-10A-L          | #8 AWG              | #8 AWG         | #10                  | 50             |
| LCDX8-14A-L          |                     |                | 1/4                  | 50             |
| LCDX8-14B-L          |                     |                | 1/4                  | 50             |
| LCDX8-14D-L          |                     |                | 1/4                  | 50             |
| LCDX6-10A-L          | #6 AWG              | #6 AWG         | #10                  | 50             |
| LCDX6-14A-L          |                     |                | 1/4                  | 50             |
| LCDX6-14B-L          |                     |                | 1/4                  | 50             |
| LCDX6-14D-L          |                     |                | 1/4                  | 50             |
| LCDX6-38D-L          | #4 AWG              | #5, #4, #3 AWG | 3/8                  | 50             |
| LCDX4-14A-L          |                     |                | 1/4                  | 50             |
| LCDX4-14B-L          |                     |                | 1/4                  | 50             |
| LCDX4-14D-L          |                     |                | 1/4                  | 50             |
| LCDX4-38D-L          | #2 AWG              | #2 AWG         | 3/8                  | 50             |
| LCDX2-14A-E          |                     |                | 1/4                  | 20             |
| LCDX2-14B-E          |                     |                | 1/4                  | 20             |
| LCDX2-14D-E          |                     |                | 1/4                  | 20             |
| LCDX2-38D-E          | #1 AWG              | #1 AWG         | 3/8                  | 20             |
| LCDX1-14A-X          |                     |                | 1/4                  | 10             |
| LCDX1-38D-X          |                     |                | 3/8                  | 10             |
| LCDX1/0-38D-X        |                     |                | 3/8                  | 10             |
| LCDX2/0-14B-X        | 2/0 AWG             | 2/0 AWG        | 1/4                  | 10             |
| LCDX2/0-38D-X        |                     |                | 3/8                  | 10             |
| LCDX3/0-38D-X        | 3/0 AWG             | 3/0 AWG        | 3/8                  | 10             |
| LCDX3/0-12-X◆        | 3/0 AWG             | 3/0 AWG        | 1/2                  | 10             |
| LCDX4/0-38D-X        | 4/0 AWG             | 4/0 AWG        | 3/8                  | 10             |
| LCDX250-38D-X        | 250 kcmil           | 262.6 kcmil    | 3/8                  | 10             |
| LCDX250-12-X◆        |                     |                | 1/2                  | 10             |
| LCDX300-12-6◆        | 300 kcmil           | 313.1 kcmil    | 1/2                  | 6              |
| LCDX600-12-6◆        | 600 kcmil           | —              | 1/2                  | 6              |
| <b>LCDX750-12-3◆</b> | —                   | 777.7 kcmil    | 1/2                  | 3              |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

◆NEMA hole sizes and spacing.

Prime items appear in **BOLD**.

Order number of pieces required, in multiples of Standard Package Quantity.



## Flex Conductor, Two-Hole, Long Barrel with Window Lug



### Type LCCX

- For use with flexible and extra-flexible copper conductors
- For use with code stranded copper conductors up to 4/0 AWG
- **UL Listed and CSA Certified when crimped with *PANDUIT* and specified competitor crimping tools and dies**



| Part Number   | Flex Conductor Size |                | Stud Hole Size (In.) | Std. Pkg. Qty. |
|---------------|---------------------|----------------|----------------------|----------------|
|               | Class G, H, I, K, M | Locomotive     |                      |                |
| LCCX8-14A-L   | #8 AWG              | #8 AWG         | 1/4                  | 50             |
| LCCX6-14A-L   | #6 AWG              | #6 AWG         | 1/4                  | 50             |
| LCCX6-14B-L   |                     |                | 1/4                  | 50             |
| LCCX6-38D-L   |                     |                | 3/8                  | 50             |
| LCCX4-14A-L   | #4 AWG              | #5, #4, #3 AWG | 1/4                  | 50             |
| LCCX2-38D-E   | #2 AWG              | #2 AWG         | 3/8                  | 20             |
| LCCX2-12-E    |                     |                | 1/2                  | 20             |
| LCCX1-14A-X   | #1 AWG              | #1 AWG         | 1/4                  | 10             |
| LCCX1/0-12-X  | 1/0 AWG             | 1/0 AWG        | 1/2                  | 10             |
| LCCX2/0-38D-X | 2/0 AWG             | 2/0 AWG        | 3/8                  | 10             |
| LCCX2/0-12-X  |                     |                | 1/2                  | 10             |
| LCCX4/0-12-X◆ | 4/0 AWG             | 4/0 AWG        | 1/2                  | 10             |
| LCCX350-12-6◆ | 350 kcmil           | 373.7 kcmil    | 1/2                  | 6              |
| LCCX500-12-6◆ | 500 kcmil           | 535.3 kcmil    | 1/2                  | 6              |

For 45° and 90° bent lugs available as standard parts and complete tool and die information, see the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

◆NEMA hole sizes and spacing.

Prime items appear in **BOLD**.

# Technical Specification and Selection Information

## PANDUIT Terminal Approvals



| Logo (Symbol)                                                                       | Agency                          | Spec/Approval            | Requirement                                                                                                                                                                       | Applicable Products         |
|-------------------------------------------------------------------------------------|---------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
|   | Underwriters Laboratories, Inc. | #E52164 – UL486A         | Minimum Tensile Strength (Pull out force for the crimp terminal) and test current for Max. 50°C Rise (Amps)                                                                       | All Ring and Fork Terminals |
|                                                                                     |                                 | #E78522 – UL310          | Minimum Tensile Strength (Pull out force for the crimp terminal) and continuous test current for Max. 30°C Rise (Amps) (for .187", .205", .250" tab widths) and (.110" tab width) | All Disconnects             |
|                                                                                     |                                 | #E52164 – UL486C         | Minimum Tensile Strength (Pull out force for the crimp terminal) and test current for Max. 50°C Rise (Amps)                                                                       | All Splices                 |
|  | Canadian Standards Association  | #LR31212 – C22.2 No. 65  | Minimum Tensile Strength (Pull out force for the crimp terminal) and test current for Max. 50°C Rise (Amps)                                                                       | All Ring and Fork Terminals |
|                                                                                     |                                 | #LR31212 – C22.2 No. 153 | Minimum Tensile Strength (Pull out force for the crimp terminal) and test current for Max. 50°C Rise (Amps)                                                                       | All Disconnects             |

## Performance Requirements

**Applicable *PAN-TERM*® products meet or exceed the following test specifications:**

- UL486A (Terminals)
- UL486C (Splices)
- UL310 (Blade Adapters)
- CSA C22.2 No. 65 (all designs)

UL and CSA approved products are shown with the applicable logos in the product section.

UL file #E52164, CSA File #LR31212

|  | Wire Size (AWG) |     |     |     |     |     |     |     |     |
|--|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|
|  | #26             | #24 | #22 | #20 | #18 | #16 | #14 | #12 | #10 |

### UL 486A (TERMINALS), UL310 (MALE BLADE ADAPTERS)

|                                        |     |   |   |    |    |    |    |    |    |
|----------------------------------------|-----|---|---|----|----|----|----|----|----|
| Test Current for Max. 50°C Rise (Amps) | 3.5 | 7 | 9 | 12 | 17 | 18 | 30 | 35 | 50 |
| Min. Tensile Strength* (Lbs.)          | 3   | 5 | 8 | 13 | 20 | 30 | 50 | 70 | 80 |

### UL 486C (SPLICES)

|                                        |     |   |   |    |    |    |    |    |    |
|----------------------------------------|-----|---|---|----|----|----|----|----|----|
| Test Current for Max. 50°C Rise (Amps) | 5.5 | 7 | 9 | 12 | 17 | 18 | 30 | 35 | 50 |
| Min. Tensile Strength* (Lbs.)          | 3   | 5 | 8 | 10 | 10 | 15 | 25 | 35 | 40 |

\*Pull-out force of the crimped terminal

**Applicable *PAN-TERM*® products meet or exceed the following test specifications:**

- UL310 (Disconnects)
- CSA C22.2 No. 153 (all designs)

UL and CSA Listed products are shown with the applicable logos in the product section.

UL file #E78522 and CSA file #LR31212.

|  | Wire Size (AWG) |     |     |     |      |     |     |
|--|-----------------|-----|-----|-----|------|-----|-----|
|  | #22             | #20 | #18 | #16 | *#14 | #12 | #10 |

### UL310 (DISCONNECTS)

|                                                                                        |   |    |    |    |                |    |    |
|----------------------------------------------------------------------------------------|---|----|----|----|----------------|----|----|
| Continuous Test Current for Max. 30°C Rise (amps)<br>(for 187", 205", 250" tab widths) | 3 | 4  | 7  | 10 | 15             | 20 | 24 |
| Continuous Test Current for Max. 30°C Rise (amps)<br>(for .110", tab width)            | 2 | 3  | 4  | 5  | Not Applicable |    |    |
| Min. Tensile Strength* (Lbs.)                                                          | 8 | 13 | 20 | 30 | 50             | 70 | 80 |

\*Pull-out force of the crimped disconnect.

## PANDUIT Power & Grounding Connector Approvals



| Logo (Symbol)                                                                       | Agency                          | Spec/Approval                                                            | Applicable Products                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Underwriters Laboratories, Inc. | UL 486A<br>Wire Connectors &<br>Soldering Lugs<br>for use in US & Canada | CLRCVR, HTCT, CTAPF, CTAP,<br>LCAX, LCBX, LCCX, LCDX, LCAN,<br>LCDN, RSC, LCEX                                                                                                                                                                                                                                                                                                                |
|    | Underwriters Laboratories, Inc. | UL 486A<br>Wire Connectors &<br>Soldering Lugs<br>for use in US          | Copper & aluminum compression<br>connectors (except: PS, SCT,<br>HTAP, TAPC, SAR); Copper &<br>aluminum split bolts; Copper &<br>aluminum mechanical lugs &<br>splices (except: PNLC,<br>LAM2A1000, LAM3B, LAM3D,<br>LAM4D, PCSB750, LAM2LB800)                                                                                                                                               |
|    | Underwriters Laboratories, Inc. | UL 467<br>Grounding & Bonding<br>Equipment<br>for use in US & Canada     | SP1, SP2, SPF1, SPF2, GPL,<br>GMS, GM                                                                                                                                                                                                                                                                                                                                                         |
|   | Underwriters Laboratories, Inc. | UL 467<br>Grounding & Bonding<br>Equipment<br>for use in US              | CTAP, KP, WB, GC                                                                                                                                                                                                                                                                                                                                                                              |
|  | Underwriters Laboratories, Inc. | UL 486A<br>Wire Connectors &<br>Soldering Lugs<br>for use in US          | LCA-00, LCD-00, LCC-00                                                                                                                                                                                                                                                                                                                                                                        |
|  | Canadian Standards Association  | C22.2 No. 65-03<br>Wire Connectors                                       | Copper & aluminum compression<br>connectors (except: PS, SCT,<br>HTAP, TAPC, SAR, CTAP, BPC);<br>Copper & aluminum split bolts<br>(except: SBCL, VT, VTA);<br>Copper & aluminum mechanical<br>lugs & splices (except: ML, ML-T,<br>HL, HLB, HLA-90, PNL-2, HL-2,<br>HL-2N, HHL-2N, H2L-2N, P2NLT,<br>PNLC, HC, LAM2A1000, LAM2B,<br>LAM2SB600, LAM2SB750,<br>LAM3B, LAM3D, LAM4D,<br>PCSB750) |
|  | Canadian Standards Association  | C22.2 No. 41-M1987<br>(R1999) Grounding<br>& Bonding Equipment           | WB, KP                                                                                                                                                                                                                                                                                                                                                                                        |
|  | American Bureau of Shipping     | ABS Rules<br>Steel Vessel Rules<br>1-1-4/7.7, 4-8-3/9.19,<br>4-8-4/21.27 | Copper compression connectors<br>LCA, LCAF, LCAS, LCAX, LCB,<br>LCC, LCD, S-R,<br>LCDX, SCS, SCSF                                                                                                                                                                                                                                                                                             |
| NEBS<br>Level 3                                                                     | Telcordia Technologies, Inc.    | Network Equipment –<br>Building Systems                                  | Copper compression connectors<br>LCAS, LCA, LCD, LCB, LCC,<br>LCAF, LCCF, SCS, SCS,<br>SCL, SCSF                                                                                                                                                                                                                                                                                              |

## Equivalent Tables Fractional Inches/Decimal Inches/Millimeters

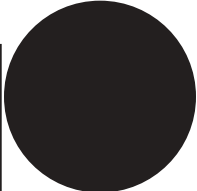
|       |       |        |
|-------|-------|--------|
| 1/64  | .0156 | 0,396  |
| 1/32  | .0312 | 0,792  |
| 3/64  | .0468 | 1,189  |
| 1/16  | .0625 | 1,588  |
| 5/64  | .0781 | 1,984  |
| 3/32  | .0937 | 2,380  |
| 7/64  | .1093 | 2,779  |
| 1/8   | .125  | 3,175  |
| 9/64  | .1406 | 3,571  |
| 5/32  | .1562 | 3,968  |
| 11/64 | .1718 | 4,366  |
| 3/16  | .1875 | 4,763  |
| 13/64 | .2031 | 5,159  |
| 7/32  | .2187 | 5,555  |
| 15/64 | .2343 | 5,954  |
| 1/4   | .25   | 6,350  |
| 17/64 | .2656 | 6,746  |
| 9/32  | .2812 | 7,143  |
| 19/64 | .2968 | 7,541  |
| 5/16  | .3125 | 7,938  |
| 21/64 | .3281 | 8,337  |
| 11/32 | .3437 | 8,730  |
| 23/64 | .3593 | 9,129  |
| 3/8   | .375  | 9,525  |
| 25/64 | .3906 | 9,921  |
| 13/32 | .4062 | 10,317 |
| 27/64 | .4218 | 10,716 |
| 7/16  | .4375 | 11,113 |
| 29/64 | .4531 | 11,509 |
| 15/32 | .4687 | 11,905 |
| 31/64 | .4843 | 12,304 |
| 1/2   | .5    | 12,700 |

|       |       |        |
|-------|-------|--------|
| 33/64 | .5156 | 13,100 |
| 17/32 | .5312 | 13,492 |
| 35/64 | .5468 | 13,891 |
| 9/16  | .5625 | 14,288 |
| 37/64 | .5781 | 14,684 |
| 19/32 | .5937 | 15,080 |
| 39/64 | .6093 | 15,479 |
| 5/8   | .625  | 15,875 |
| 41/64 | .6406 | 16,271 |
| 21/32 | .6562 | 16,667 |
| 43/64 | .6718 | 17,066 |
| 11/16 | .6875 | 17,463 |
| 45/64 | .7031 | 17,859 |
| 23/32 | .7187 | 18,255 |
| 47/64 | .7343 | 18,654 |
| 3/4   | .75   | 19,050 |
| 49/64 | .7656 | 19,446 |
| 25/32 | .7812 | 19,842 |
| 51/64 | .7968 | 20,241 |
| 13/16 | .8125 | 20,637 |
| 53/64 | .8281 | 21,034 |
| 27/32 | .8437 | 21,480 |
| 55/64 | .8593 | 21,828 |
| 7/8   | .875  | 22,225 |
| 57/64 | .8906 | 22,620 |
| 29/32 | .9062 | 23,017 |
| 59/64 | .9218 | 23,416 |
| 15/16 | .9375 | 23,810 |
| 61/64 | .9531 | 24,208 |
| 31/32 | .9687 | 24,605 |
| 63/64 | .9843 | 25,001 |
| 1     | 1.    | 25,400 |

## Stud Size Chart (Inches)

|                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                     |  |  |  |  |  |  |  |  |
| Standard Stud Size                                  | <b>#2</b>                                                                         | <b>#4</b>                                                                         | <b>#5</b>                                                                         | <b>#6</b>                                                                         | <b>#8</b>                                                                         | <b>#10</b>                                                                        | <b>1/4"</b>                                                                       | <b>5/16"</b>                                                                      |
| Stud Size Decimal Equivalent                        | .086"                                                                             | .112"                                                                             | .127"                                                                             | .138"                                                                             | .164"                                                                             | .190"                                                                             | .250"                                                                             | .312"                                                                             |
| Terminal Hole Diameter                              | .090"                                                                             | .118"                                                                             | .130"                                                                             | .147"                                                                             | .173"                                                                             | .204"                                                                             | .270"                                                                             | .343"                                                                             |
| Stud Size Designation in <i>PANDUIT</i> Part Number | 2                                                                                 | 4                                                                                 | 5                                                                                 | 6                                                                                 | 8                                                                                 | 10                                                                                | 14                                                                                | 56                                                                                |

|                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                     |  |  |  |  |
| Standard Stud Size                                  | <b>3/8"</b>                                                                       | <b>7/16"</b>                                                                      | <b>1/2"</b>                                                                       | <b>5/8"</b>                                                                       |
| Stud Size Decimal Equivalent                        | .375"                                                                             | .438"                                                                             | .500"                                                                             | .625"                                                                             |
| Terminal Hole Diameter                              | .392"*<br>.406"***                                                                | .456"                                                                             | .531"                                                                             | .656"                                                                             |
| Stud Size Designation in <i>PANDUIT</i> Part Number | 38                                                                                | 76                                                                                | 12                                                                                | 58                                                                                |

|                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                     |  |  |  |
| Standard Stud Size                                  | <b>3/4"</b>                                                                         | <b>7/8"</b>                                                                         | <b>1"</b>                                                                           |
| Stud Size Decimal Equivalent                        | .750"                                                                               | .875"                                                                               | 1.00"                                                                               |
| Terminal Hole Diameter                              | .810"                                                                               | .906"                                                                               | 1.031"                                                                              |
| Stud Size Designation in <i>PANDUIT</i> Part Number | 34                                                                                  | 78                                                                                  | 1                                                                                   |

\*Terminal Stud.

\*\*Power Connector Stud.

## Common Conductor Sizes and Strandings Reference Chart

| Conductor |                           | Individual Strands |          |      | Overall Conductor Size |      |               |
|-----------|---------------------------|--------------------|----------|------|------------------------|------|---------------|
|           |                           | No.                | Diameter |      | Diameter               |      | Area          |
| AWG       | Metric<br>mm <sup>2</sup> |                    | mm       | In.  | mm                     | In.  | Circ.<br>MILS |
|           | 0.05                      | 25                 | .05      | .002 | .25                    | .010 | 97            |
|           | 0.06                      | 41                 | .05      | .002 | .36                    | .014 | 159           |
| 26        |                           | 10                 | .13      | .005 | .53                    | .021 | 250           |
|           |                           | 1                  | .41      | .016 | .41                    | .016 | 256           |
|           |                           | 7                  | .16      | .006 | .48                    | .019 | 278           |
|           |                           | 19                 | .10      | .004 | .51                    | .020 | 304           |
| 24        |                           | 41                 | .08      | .003 | .58                    | .023 | 384           |
|           |                           | 10                 | .16      | .006 | .58                    | .023 | 397           |
|           |                           | 1                  | .51      | .020 | .51                    | .020 | 400           |
|           |                           | 7                  | .20      | .008 | .61                    | .024 | 448           |
|           | 0.25                      | 19                 | .13      | .005 | .61                    | .024 | 475           |
|           |                           | 65                 | .07      | .003 | .65                    | .026 | 484           |
|           |                           | 128                | .05      | .002 | .65                    | .026 | 496           |
|           |                           | 32                 | .10      | .004 | .65                    | .026 | 496           |
| 22        |                           | 14                 | .16      | .006 | .65                    | .026 | 556           |
|           |                           | 1                  | .64      | .025 | .64                    | .025 | 625           |
|           |                           | 16                 | .16      | .006 | .76                    | .030 | 635           |
|           |                           | 26                 | .13      | .005 | .76                    | .030 | 650           |
|           | 0.38                      | 7                  | .25      | .010 | .76                    | .030 | 700           |
|           |                           | 19                 | .16      | .006 | .79                    | .031 | 754           |
|           |                           | 48                 | .10      | .004 | .80                    | .031 | 744           |
|           |                           | 194                | .05      | .002 | .80                    | .031 | 752           |
|           | 0.5                       | 100                | .07      | .003 | .80                    | .031 | 760           |
|           |                           | 7                  | .27      | .011 | .80                    | .031 | 791           |
|           |                           | 12                 | .21      | .008 | .80                    | .031 | 820           |
|           |                           | 21                 | .16      | .006 | .80                    | .031 | 833           |
| 20        |                           | 7                  | .30      | .012 | .90                    | .035 | 977           |
|           |                           | 16                 | .20      | .008 | .90                    | .035 | 992           |
|           |                           | 1                  | .80      | .031 | .80                    | .031 | 992           |
|           |                           | *10                | .25      | .010 | .89                    | .035 | 1000          |
|           | 0.75                      | 1                  | .81      | .032 | .81                    | .032 | 1024          |
|           |                           | 41                 | .13      | .005 | .91                    | .036 | 1025          |
|           |                           | 26                 | .16      | .006 | .91                    | .036 | 1032          |
|           |                           | *7                 | .32      | .013 | .97                    | .038 | 1111          |
| 18        |                           | 19                 | .20      | .008 | .94                    | .037 | 1216          |
|           |                           | 7                  | .37      | .015 | 1.10                   | .043 | 1485          |
|           |                           | 24                 | .20      | .008 | 1.20                   | .047 | 1488          |
|           |                           | 1                  | 1.00     | .039 | 1.00                   | .039 | 1550          |
|           |                           | *16                | .25      | .010 | 1.19                   | .047 | 1600          |
|           |                           | 1                  | 1.02     | .040 | 1.02                   | .040 | 1600          |
|           |                           | 65                 | .13      | .005 | 1.19                   | .047 | 1625          |
|           |                           | 41                 | .16      | .006 | 1.19                   | .047 | 1627          |
|           |                           | *7                 | .40      | .016 | 1.22                   | .048 | 1770          |
|           |                           | 19                 | .25      | .010 | 1.24                   | .049 | 1900          |

\*Strandings required for UL and CSA Certification testing.

## Common Conductor Sizes and Strandings Reference Chart (continued)

| Conductor |                        | Individual Strands |          |      | Overall Conductor Size |      |            |
|-----------|------------------------|--------------------|----------|------|------------------------|------|------------|
|           |                        | No.                | Diameter |      | Diameter               |      | Area       |
| AWG       | Metric mm <sup>2</sup> |                    | mm       | In.  | mm                     | In.  | Circ. MILS |
|           | 1.0                    | 19                 | 0.25     | .010 | 1.30                   | .051 | 1841       |
|           |                        | 1                  | 1.13     | .044 | 1.13                   | .044 | 1979       |
|           |                        | 32                 | .20      | .008 | 1.30                   | .051 | 1984       |
|           |                        | 7                  | .43      | .017 | 1.30                   | .051 | 2006       |
| 16        |                        | 19                 | .29      | .011 | 1.47                   | .058 | 2426       |
|           |                        | 65                 | .16      | .006 | 1.50                   | .059 | 2580       |
|           |                        | *26                | .25      | .010 | 1.50                   | .059 | 2600       |
|           |                        | 1                  | 1.30     | .051 | 1.30                   | .051 | 2601       |
|           |                        | 105                | .13      | .005 | 1.50                   | .059 | 2625       |
|           |                        | *7                 | .51      | .020 | 1.52                   | .060 | 2828       |
|           | 1.5                    | 30                 | .25      | .010 | 1.70                   | .067 | 2906       |
|           |                        | 21                 | .30      | .012 | 1.60                   | .063 | 2930       |
|           |                        | 189                | .10      | .004 | 1.90                   | .075 | 2930       |
|           |                        | 7                  | .52      | .020 | 1.60                   | .063 | 2934       |
|           |                        | 1                  | 1.38     | .054 | 1.38                   | .054 | 2952       |
| 14        |                        | 45                 | .16      | .006 | 1.85                   | .073 | 3786       |
|           |                        | 19                 | .38      | .014 | 1.85                   | .073 | 3831       |
|           |                        | 1                  | 1.63     | .064 | 1.63                   | .064 | 4096       |
|           |                        | *41                | .25      | .010 | 1.85                   | .073 | 4100       |
|           |                        | *7                 | .64      | .025 | 1.85                   | .073 | 4481       |
|           | 2.5                    | 50                 | .25      | .010 | 2.20                   | .087 | 4844       |
|           |                        | 7                  | .67      | .026 | 2.10                   | .083 | 4871       |
|           |                        | 35                 | .30      | .012 | 2.20                   | .087 | 4883       |
|           |                        | 315                | .10      | .004 | 2.20                   | .087 | 4883       |
|           |                        | 1                  | 1.78     | .070 | 1.78                   | .070 | 4911       |
| 12        |                        | 19                 | .45      | .018 | 2.36                   | .093 | 6088       |
|           |                        | *65                | .25      | .010 | 2.41                   | .095 | 6500       |
|           |                        | 165                | .16      | .006 | 2.41                   | .095 | 6549       |
|           |                        | 1                  | 2.06     | .081 | 2.06                   | .081 | 6561       |
|           |                        | *7                 | .81      | .032 | 2.44                   | .096 | 7168       |
|           | 4.0                    | 56                 | .30      | .012 | 3.10                   | .122 | 7812       |
|           |                        | 1                  | 2.26     | .089 | 2.26                   | .089 | 7917       |
|           |                        | 511                | .10      | .004 | 3.00                   | .118 | 7921       |
|           |                        | 19                 | .52      | .020 | 2.70                   | .106 | 7963       |
| 10        |                        | 37                 | .40      | .016 | 2.92                   | .115 | 9354       |
|           |                        | 49                 | .36      | .014 | 2.95                   | .116 | 9880       |
|           |                        | *7                 | .98      | .039 | 2.95                   | .116 | 10376      |
|           |                        | 1                  | 2.59     | .102 | 2.59                   | .102 | 10404      |
|           |                        | *105               | .25      | .010 | 2.95                   | .116 | 10500      |
|           | 6.0                    | 84                 | .30      | .012 | 3.50                   | .138 | 11718      |
|           |                        | 756                | .10      | .004 | 3.70                   | .146 | 11718      |
|           |                        | 1                  | 2.76     | .109 | 2.76                   | .109 | 11807      |
|           |                        | 7                  | 1.05     | .041 | 3.20                   | .126 | 11962      |
|           |                        | 19                 | .64      | .025 | 3.30                   | .130 | 12063      |

\*Strandings required for UL and CSA Certification testing.



## Common Conductor Sizes and Strandings Reference Chart (continued)

| Conductor |                           | Individual Strands |          |        | Overall Conductor Size |       |               |
|-----------|---------------------------|--------------------|----------|--------|------------------------|-------|---------------|
|           |                           | No.                | Diameter |        | Diameter               |       | Area          |
| AWG       | Metric<br>mm <sup>2</sup> |                    | mm       | In.    | mm                     | In.   | Circ.<br>MILS |
|           | 6                         | 7                  | 0.107    | 0.042  | 3.21                   | 0.126 | 11840         |
|           |                           | 1                  | 2.77     | 0.109  | 2.77                   | 0.109 | 11840         |
| 9         |                           | 7                  | 1.1      | 0.0432 | 3.3                    | 0.13  | 13000         |
|           |                           | 1                  | 2.91     | 0.1144 | 2.91                   | 0.114 | 13090         |
| 8         |                           | 1                  | 3.26     | 0.1285 | 3.25                   | 0.128 | 16510         |
|           |                           | 7                  | 1.23     | 0.0486 | 3.7                    | 0.146 | 16510         |
|           | 10                        | 7                  | 1.37     | 0.054  | 4.12                   | 0.162 | 19740         |
|           |                           | 1                  | 3.58     | 0.141  | 3.58                   | 0.141 | 19740         |
| 7         |                           | 7                  | 1.38     | 0.0545 | 4.15                   | 0.164 | 20520         |
|           |                           | 1                  | 3.67     | 0.1443 | 3.67                   | 0.144 | 20520         |
| 6         |                           | 7                  | 1.55     | 0.0612 | 4.66                   | 0.184 | 26240         |
|           |                           | 1                  | 4.11     | 0.162  | 4.11                   | 0.162 | 26240         |
|           | 16                        | 7                  | 1.73     | 0.008  | 5.13                   | 0.204 | 31580         |
| 5         |                           | 7                  | 1.75     | 0.0688 | 5.24                   | 0.206 | 33090         |
| 4         |                           | 7                  | 1.96     | 0.0772 | 5.88                   | 0.232 | 41740         |
|           | 25                        | 7                  | 2.16     | 0.085  | 6.48                   | 0.255 | 49340         |
|           |                           | 19                 | 1.32     | 0.052  | 6.6                    | 0.26  | 49340         |
| 3         |                           | 7                  | 2.2      | 0.0867 | 6.61                   | 0.26  | 52620         |
| 2         |                           | 7                  | 2.47     | 0.0974 | 7.42                   | 0.292 | 66300         |
|           | 35                        | 7                  | 2.54     | 0.1    | 7.62                   | 0.300 | 69070         |
|           |                           | 19                 | 1.55     | 0.001  | 7.75                   | 0.305 | 69070         |
| 1         |                           | 19                 | 1.5      | 0.0064 | 8.43                   | 0.332 | 83690         |
|           | 50                        | 19                 | 1.85     | 0.073  | 9.27                   | 0.365 | 98680         |
| 1/0       |                           | 19                 | 1.59     | 0.0745 | 9.46                   | 0.373 | 10500         |
| 2/0       |                           | 19                 | 2.13     | 0.0837 | 10.6                   | 0.419 | 133100        |
|           | 70                        | 19                 | 2.18     | 0.086  | 10.9                   | 0.43  | 138100        |
| 3/0       |                           | 19                 | 2.59     | 0.094  | 11.9                   | 0.47  | 167800        |
|           |                           | 36                 | 1.71     | 0.0673 | 12                     | 0.471 | 167800        |
|           | 95                        | 19                 | 2.57     | 0.101  | 12.8                   | 0.505 | 187500        |
|           |                           | 37                 | 1.83     | 0.072  | 12.5                   | 0.504 | 187500        |
| 4/0       |                           | 19                 | 2.89     | 0.1055 | 13.4                   | 0.528 | 211600        |

## Common Conductor Sizes and Strandings Reference Chart (continued)

| Conductor     |                           | Individual Strands |          |        | Overall Conductor Size |       |                 |
|---------------|---------------------------|--------------------|----------|--------|------------------------|-------|-----------------|
|               |                           | No.                | Diameter |        | Diameter               |       | Area            |
| AWG           | Metric<br>mm <sup>2</sup> |                    | mm       | In.    | mm                     | In.   | Circ.<br>MILS   |
|               | 120                       | 37                 | 2.06     | 0.081  | 14.4                   | 0.567 | 237.8<br>kcmil  |
| 250<br>kcmil  |                           | 37                 | 2.07     | 0.0822 | 14.6                   | 0.575 | 250<br>kcmil    |
| 300<br>kcmil  | 150                       | 37                 | 2.29     | 0.09   | 16                     | 0.63  | 300<br>kcmil    |
| 350<br>kcmil  |                           | 37                 | 2.47     | 0.0973 | 17.3                   | 0.681 | 350<br>kcmil    |
|               | 185                       | 37                 | 2.54     | 0.1    | 17.8                   | 0.7   | 365.1<br>kcmil  |
| 400<br>kcmil  |                           | 37                 | 2.64     | 0.104  | 18.5                   | 0.728 | 400<br>kcmil    |
|               | 240                       | 37                 | 2.9      | 0.114  | 20.3                   | 0.798 | 473.6<br>kcmil  |
|               |                           | 61                 | 2.26     | 0.089  | 20.3                   | 0.801 | 473.6<br>kcmil  |
| 500<br>kcmil  |                           | 37                 | 2.95     | 0.1162 | 20.7                   | 0.813 | 500<br>kcmil    |
|               |                           | 61                 | 2.3      | 0.0905 | 20.7                   | 0.814 | 500<br>kcmil    |
|               | 300<br>kcmil              | 61                 | 2.51     | 0.099  | 22.6                   | 0.891 | 592.1<br>kcmil  |
| 600<br>kcmil  |                           | 61                 | 2.52     | 0.0992 | 22.7                   | 0.893 | 600<br>kcmil    |
| 700<br>kcmil  |                           | 61                 | 2.72     | 0.1071 | 24.5                   | 0.964 | 700<br>kcmil    |
| 750<br>kcmil  |                           | 61                 | 2.82     | 0.1109 | 25.4                   | 0.998 | 750<br>kcmil    |
|               |                           | 91                 | 2.31     | 0.0908 | 25.4                   | 0.998 | 750<br>kcmil    |
|               | 400                       | 61                 | 2.9      | 0.114  | 26.1                   | 1.026 | 798.4<br>kcmil  |
| 800<br>kcmil  |                           | 61                 | 2.91     | 0.1145 | 26.2                   | 1.031 | 800<br>kcmil    |
|               |                           | 91                 | 2.38     | 0.0938 | 26.2                   | 1.032 | 800<br>kcmil    |
| 1000<br>kcmil | 500                       | 61                 | 3.25     | 0.128  | 28.3                   | 1.152 | 986.8<br>kcmil  |
|               |                           | 91                 | 2.66     | 0.1048 | 29.3                   | 1.153 | 1000<br>kcmil   |
|               | 625                       | 91                 | 2.97     | 0.117  | 32.7                   | 1.287 | 1233.7<br>kcmil |

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### **Electrical Solutions**

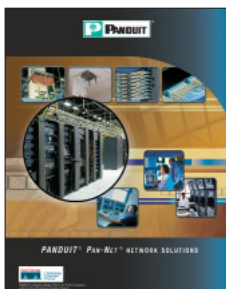
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- Cable Ties
- Cable Accessories
- Stainless Steel
- Wiring Duct
- Surface Raceway
- Abrasion Protection
- Cable Management
- Terminals
- Power and Grounding Connectors
- Labeling System
- Labels
- Pre-Printed & Write-On Markers
- Lockout/Tagout and Safety Solutions

### **Network Connectivity**

#### **SA-NCCB34**



- Cable
- Modules
- Work Area Outlet Solutions
- Surface Raceway
- Zone Cabling
- Patch Panels, Copper Patch Cords & Punchdowns
- Fiber Connectors, Enclosures & Patch Cords
- Fiber Routing Systems
- Racks & Cable Management
- Grounding & Bonding
- Wireless Solutions
- Managed System Solutions
- Industrial
- Labeling & Administration
- Wiring Duct
- Cable Ties & Accessories