

## 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*<sup>®</sup> *PAN-TERM*<sup>®</sup> Terminals, Disconnects, Splices and Wire Joints

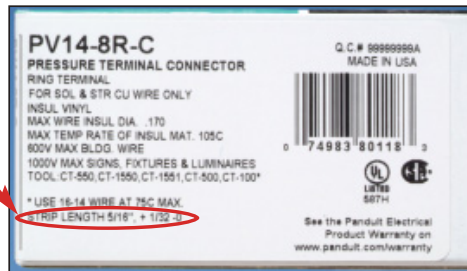
### 1. Select the proper *PANDUIT* terminal for the application and wire size used

- 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*<sup>™</sup> Controlled Cycle Crimping Tool specified on the packaging label



**Plier Type Crimping Tool**



***CONTOUR CRIMP*<sup>™</sup> 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

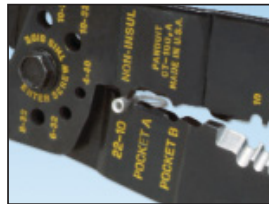


Complete Crimp

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

### Non-Insulated Terminals and Disconnects

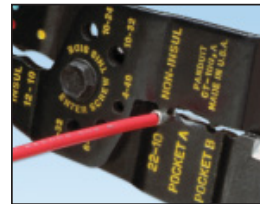
- A. Locate terminal in appropriate wire gauge crimp die pocket with indenter centered on barrel seam.
- B. Rotate terminal so tongue is level with crimp die.
- C. Insert properly stripped wire (based on recommendations on package label) into terminal until a minimum of 1/32" of wire extends beyond the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



**Step A**



**Step B**



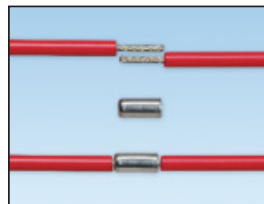
**Steps C & D**



**Complete Crimp**

### Insulated and Non-Insulated Parallel Splices

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



**Steps A & B**



**Steps C & D**



**Complete Crimp**

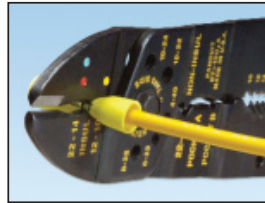
## Crimping Guidelines for *PANDUIT® PAN-TERM®* Terminals, Disconnects, Splices and Wire Joints (continued)

### 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.



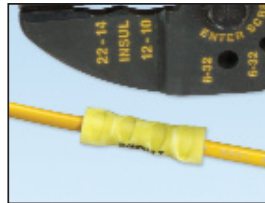
Steps A & B



Steps C



Step D & E



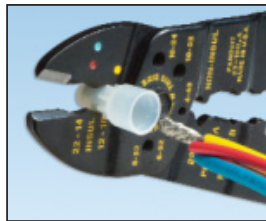
Complete Crimp

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

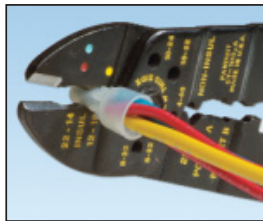
### Insulated and Non-Insulated Wire Joints

- 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)

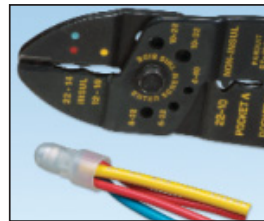
Note: an insulation crimp is not required on an insulated wire joint.



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

- A. Make sure the terminal barrel is centered correctly in the right die pocket by using the product locator on the backside of the tool.
- B. Determine the correct die pocket to use based on the color code of the terminal.
- C. 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.
- D. Insert the wire and complete cycle to perform the electrical and insulation crimp simultaneously.
- E. Crimp complete.



### 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!





PANDUIT Installation Tooling for Terminals, Disconnects and Splices

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	
<b>Butt Splices</b>																					
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	
<b>Disconnects</b>																					
D, DR – Non-Insulated, Sleeve Barrel (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	
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	X	
	12-10	3/8	X	X	X				X			X	X									X	X	
DPF-FI – Premium Nylon, Fully Insulated	12-10	3/8	X	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	X	

Terminals



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		
	16-14	9/32	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		
<b>Wire Joints</b>																					
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																	
<b>Terminals</b>																					
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

For service and technical support, call 800-777-3300 or visit [www.panduit.com](http://www.panduit.com).



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				
	16-14	7/32	X														X	X				
	12-10	9/32	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	
	16-14	7/32	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	
	16-14	7/32									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		X	
	12-10	5/16	X		X					X		X	X			X			X		X	
PV-P – Vinyl Insulated Pin Terminals	22-18	5/16	X	X	X							X	X			X			X		X	
	16-14	5/16	X	X	X							X	X			X			X		X	
	12-10	5/16	X	X	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		X	
	16-14	5/16	X	X	X			X	X			X	X			X			X		X	
	12-10	5/16	X	X	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			X		X	
	16-14	5/16						X	X			X	X			X			X		X	
	12-10	5/16						X				X	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, CT-930CH, CT-920, CT-920CH, CT-2920, CT-940CH	CT-980, CT-980CH, CT-2950, CT-2980	CT-2001
<b>PANDUIT® Part Number</b>	<b>PANDUIT® Die Part Number Die Index Number (Number of Crimps)</b>				
S8-10R-Q	P21 (2)	CD-720-1 P21 (1)	CD-920-8 P21 (1)	—	CD-2001-8 P21 (1)
S8-14R-Q					
S8-56R-Q					
S8-38R-Q					
S6-10R-E	P24 (2)	CD-720-1 P24 (1)	CD-920-6 P24 (1)	—	CD-2001-6 P24 (1)
S6-14R-E					
S6-56R-E					
S6-38R-E					
S4-10R-E	P29 (2)	CD-720-1 P29 (1)	CD-920-4 P28 (1)	STD (1)	CD-2001-4 P29 (1)
S4-14R-E					
S4-56R-E					
S4-38R-E					
S2-10R-X	P37 (3)	CD-720-2 P37 (1)	CD-920-1 P37 (1)	STD (1)	CD-2001-1 P37 (1)
S2-14R-X					
S2-56R-X					
S2-38R-X					
S2-12R-X					
S1/0-14R-X	—	CD-720-2 P42 (1)	CD-920-1/0 P42 (1)	STD (1)	CD-2001-1/0 P42 (1)
S1/0-56R-X					
S1/0-38R-X					
S1/0-12R-X					
S2/0-14R-X	—	CD-720-2 P45 (2)	CD-920-2/0 P45 (1)	STD (1)	CD-2001-2/0 P45 (2)
S2/0-56R-X					
S2/0-38R-X					
S2/0-76R-X					
S2/0-12R-X					
S3/0-14R-5	—	CD-720-2 P50 (2)	CD-920-3/0 P50 (1)	STD (1)	CD-2001-3/0 P50 (2)
S3/0-56R-5					
S3/0-38R-5					
S3/0-76R-5					
S3/0-12R-5					
S4/0-38R-5	—	CD-720-3 P54 (2)	CD-920-4/0 P54 (1)	STD (1)	CD-2001-4/0 P54 (2)
S4/0-76R-5					
S4/012R-5					
S250-56R-5	—	CD-720-3 P62 (2)	CD-920-250 P62 (1)	STD (1)	CD-2001-250 P62 (2)
S250-38R-5					
S250-76R-5					
S250-12R-5					



## PANDUIT Installation Tooling for Ferrules

PANDUIT Ferrule Series	Ferrule Description	Wire Range (AWG)	Wire Range (mm <sup>2</sup> )	Wire Strip Length	Controlled Cycle Hand Tools				
					CT-1002	CT-1003	CT-1004	CT-1005	CT-1006
F	Non-Insulated 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 Single Wire Ferrules (DIN or French color code)	26-18	.41-1.00	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
FTD	Insulated Twin Wire Ferrules	22-18	.50-1.00	Varies	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

- 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


**CT-1525**

**CT-1550**

**CT-1551**

**CT-1700**

**CT-1014**

**CT-1570**

**CT-1701**

**CT-1015**

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

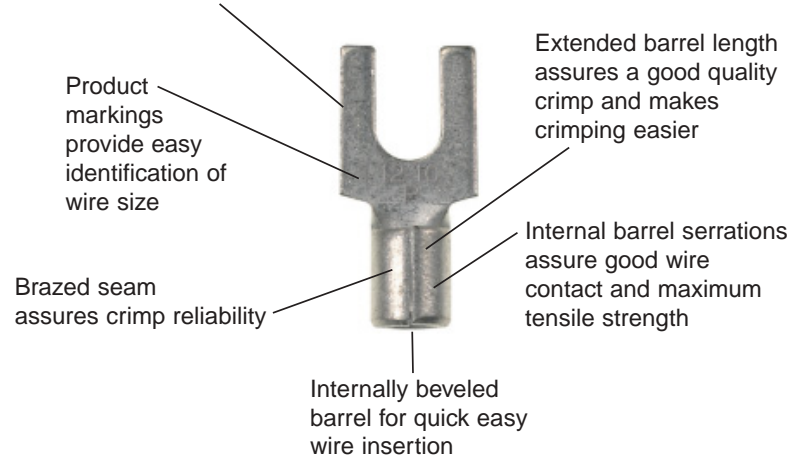
Prime items appear in **BOLD**.

## 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.

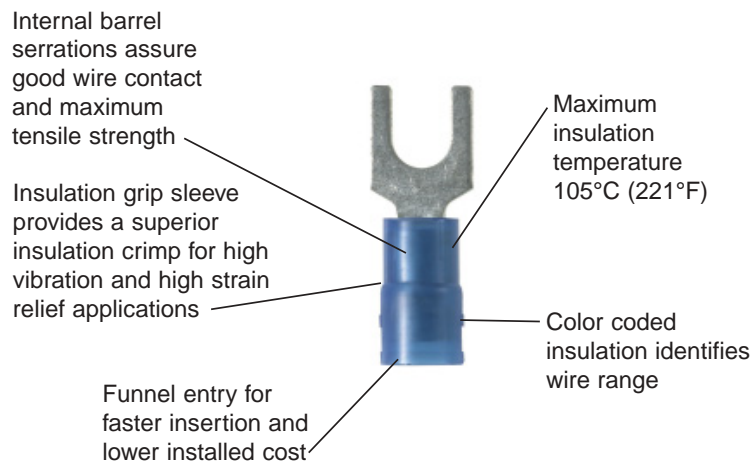
### Non-Insulated Terminals Type P

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

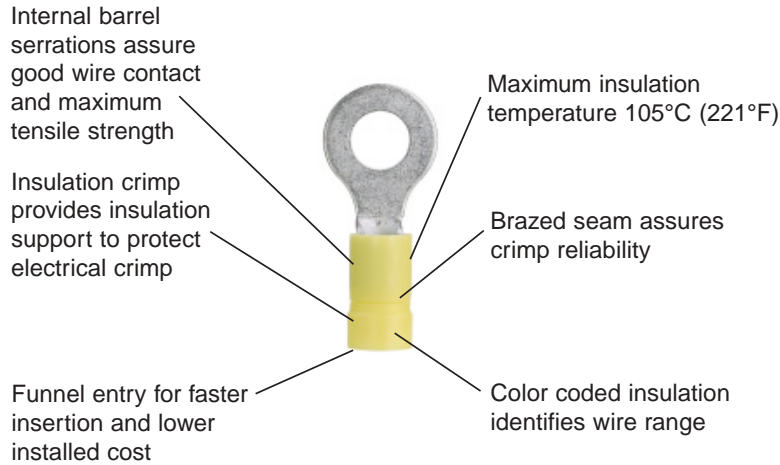


UL and CSA rated up to 600V per UL486.  
Flammability – UL94V-2/HB.  
Proprietary blend of UL94V-2 and UL94HB flammability rated materials.



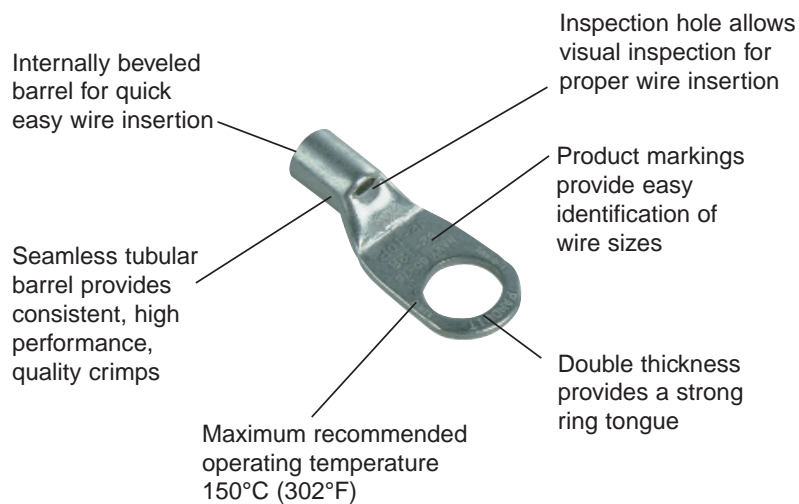
## Features and Benefits – *PAN-TERM*® Terminals (continued)

### 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
<b>PV18-56R-CY</b>	5/16"				100
<b>PV18-38R-CY</b>	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
<b>PV14-56R-C</b>	5/16"				100
<b>PV14-38R-L</b>	3/8"				50
<b>PV10-6R-L</b>	#6	12 – 10 AWG	Yellow	CT-100‡, CT-600‡, CT-1550‡, CT-1551‡	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.**
<b>PV18-610R-CY</b>	#6, #8, #10	22 – 18 AWG	Red	CT-100, CT-600‡, CT-1550‡, CT-1551‡	100
<b>PV14-610R-C</b>		16 – 14 AWG	Blue		100
<b>PV10-610R-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.  
‡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.**
<b>PV14-10RX-C</b>	#10	16 – 14 AWG	Blue	CT-100‡, CT-600‡, CT-1550‡, CT-1551‡	100
<b>PV10-10RX-L</b>	#10	12 – 10 AWG	Yellow		50
<b>PV10-14RX-L</b>	1/4"	12 – 10 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.  
‡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‡, CT-200‡, CT-600‡, 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
<b>P14-8R-C</b>	#8			100
<b>P14-10R-C</b>	#10			100
P14-14R-C	1/4"			100
P14-56R-C	5/16"	12 – 10 AWG		100
P14-38R-C	3/8"			100
P10-6R-L	#6			50
<b>P10-8R-L</b>	#8			50
<b>P10-10R-L</b>	#10			50
<b>P10-14R-L</b>	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			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)

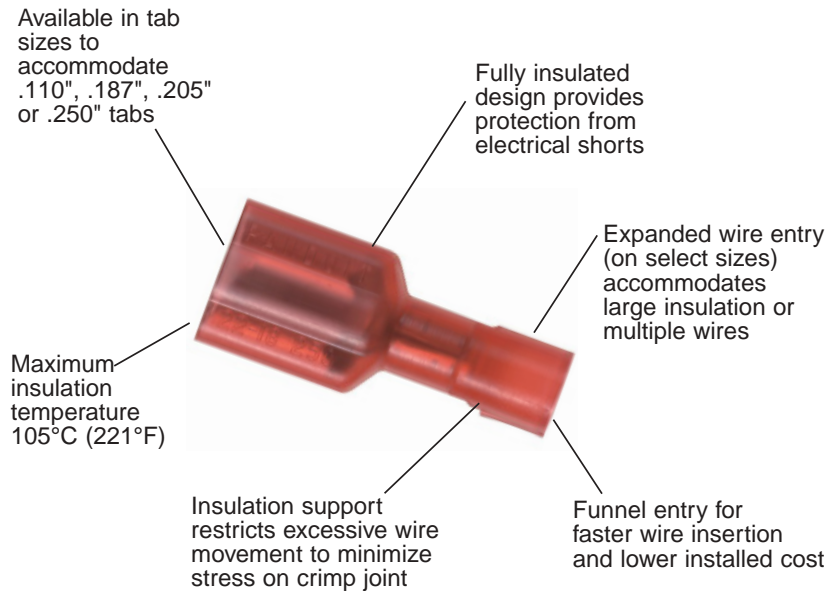
Prime items appear in **BOLD**.

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

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

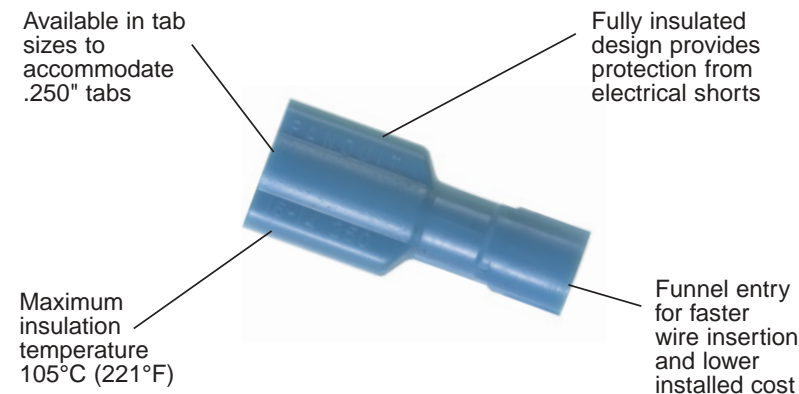
*PAN-TERM*® disconnects are fabricated from brass and are electro-tin plated for a long, corrosion resistant operating life.

### 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*<sup>®</sup> Disconnects (continued)

### *SUPRA-GRIP*<sup>™</sup> Nylon Fully Insulated Female Disconnects Type DNG-FB

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

Fully insulated design provides protection from electrical shorts

Maximum insulation temperature 105°C (221°F)

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

Funnel entry for faster wire insertion and lower installed cost



UL and CSA rated up to 600V per UL310.

### *Disco-Lok*<sup>™</sup> Nylon Fully Insulated Locking Female Disconnects Type DNG-FL

Available in tab sizes to accommodate .250" tabs

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

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.

## 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, CT-260, CT-1550, 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.**
<b>D14-250MB-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.

## 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.
<b>DV18-145M-CY</b>	.145 x .032	22 – 18 AWG	Red	CT-600, CT-1550‡, CT-1551‡	100
<b>DV14-145M-C</b>	.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

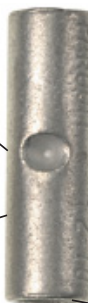
Expanded wire entry accommodates larger insulation



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, 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, 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*<sup>®</sup> 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.

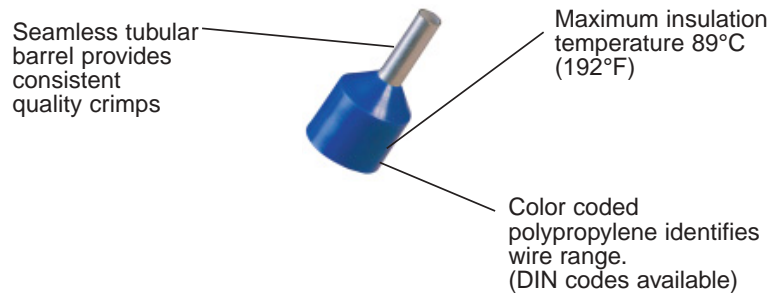
Prime items appear in **BOLD**.

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

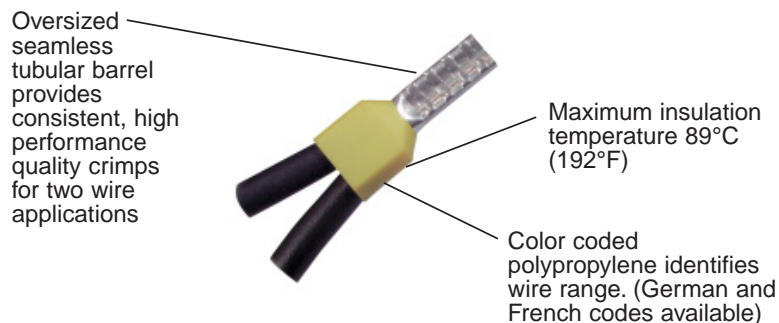
## Features and Benefits – *PAN-TERM*® Ferrules

*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.

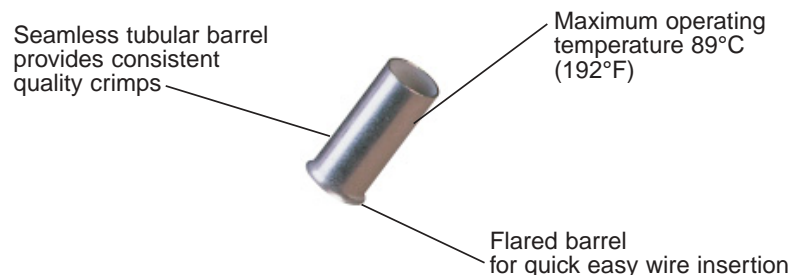
### Insulated Ferrules – Single Wire Type FSF and FSD



### Insulated Ferrules – Twin Wire Type FTD



### Non-Insulated Ferrules Type F



## PAN-TERM<sup>®</sup> Ferrules

### Insulated Ferrules – Single Wire DIN End Sleeve



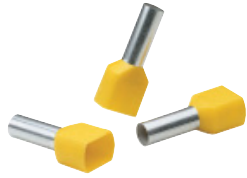
- Molded housing allows easy insertion of wire
- Seamless barrel contains wire strands preventing fraying or bending, resulting in high quality, reliable connections

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 AWG	.34	Turquoise	.24	6.0	3/8	9.5	CT-1002	500
<b>FSD74-8-D</b>				.31	8.0	15/32	11.9		500
<b>FSD75-6-D</b>	22 AWG	.50	White	.24	6.0	3/8	9.5		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 AWG	.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 AWG	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 AWG	1.50	Black	.24	6.0	3/8	9.5	CT-1002, CT-1003	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 AWG	2.08	Yellow	.31	8.0	15/32	11.9		500
<b>FSD80-8-D</b>				.31	8.0	15/32	11.9		500
<b>FSD80-12-D</b>		2.50	Blue	.47	12.0	5/8	15.9		500
<b>FSD81-10-D</b>	12 AWG			4.00	Gray	.39	10.0	17/32	13.5
<b>FSD81-12-C</b>		.47	12.0			5/8	15.9	100	
<b>FSD82-12-C</b>	10 AWG	6.00	Yellow	.47	12.0	5/8	15.9		100
<b>FSD83-12-C</b>	8 AWG	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, 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>	18 AWG	1.00	Red	.39	10.0	9/16	14.0		500
<b>FTD77-8-D</b>	16 AWG	1.50	Black	.31	8.0	7/16	11.2		500
<b>FTD77-10-D</b>	14 AWG	2.50	Blue	.39	10.0	9/16	14.0		500
<b>FTD78-8-D</b>	12 AWG	4.00	Gray	.47	12.0	21/32	16.8		500
<b>FTD78-12-D</b>	10 AWG	6.00	Yellow	.55	14.0	25/32	19.6		500
<b>FTD80-10-TL</b>	14 AWG	2.50	Blue	.39	10.0	9/16	14.0		250
<b>FTD80-13-TL</b>	12 AWG	4.00	Gray	.47	12.0	21/32	16.2		250
<b>FTD81-12-C</b>	10 AWG	6.00	Yellow	.55	14.0	25/32	19.6		100
<b>FTD82-14-C</b>	8 AWG	16.00	Orange	.75	19.0	31/32	25.4	CT-1003, CT-1004	100

Prime items appear in **BOLD**.

For service and technical support, call 800-777-3300  
or visit [www.panduit.com](http://www.panduit.com).

## 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, 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
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	CT-1005	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**.

For service and technical support, call 800-777-3300  
or visit [www.panduit.com](http://www.panduit.com).

## 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: (1) K-1001 steel kit box (1) CT-260 installation tool <u>Cable Ties</u> (100) PLT2S cable ties <u>Terminals</u> (100) PN14-610R multi-stud terminals (100) PN18-610R multi-stud terminals (100) PN18-6LF locking fork terminals (100) PN14-8LF locking fork terminals (50) PN10-10LF locking fork terminals (100) PN18-8F fork terminals (100) PN14-10R ring terminals (50) PN10-10R ring terminals <u>Disconnects</u> (100) DNF18-250 disconnects (100) DNF14-250 disconnects (50) DV10-250 disconnects <u>Splices</u> (50) BSN18 butt splices (50) BSN14 butt splices (25) BSN10 butt splices <u>Marking System</u> (1) PMD-0-9 marking dispenser and tape (100) MP150 marker tags (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.
<b>K2-PVKIT</b>	Kit contains: (1) K-1001 steel kit box (1) CT-260 installation tool <u>Cable Ties</u> (100) PLT2S cable ties <u>Terminals</u> (100) PV18-8F fork terminals (100) PV18-6LF locking fork terminals (100) PV14-8LF locking fork terminals (50) PV10-10LF locking fork terminals (100) PV18-610R multi-stud terminals (100) PV14-10R ring terminals (50) PV10-10R ring terminals <u>Disconnects</u> (100) DV18-250B disconnects (100) DV14-250B disconnects (50) DV10-250 disconnects <u>Splices</u> (50) BSV18X butt splices (50) BSV14X butt splices (25) BSV10X butt splices <u>Wire Joints</u> (30) JN224-318 (15) JN314-412 <u>Marking System</u> (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*<sup>®</sup> *PAN-LUG*<sup>™</sup> 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 LUG SPLICE	STUD WIRE SIZE	WIRE RANGE-RANGING with Min-Or Tools (see note)	WIRE STRIP LENGTH (in.)	IME INDEX NUMBER	
				CT-1700	CT-720
LCB8, LCC8 SCL8	8 AWG	—	3/4 1-1/8	RED P21 (3)	CD-720- RED P21
LCB6, LCC6 SCL6	6 AWG	—	1-1/4 1-1/8	BLUE P24 (3)	CD-720- BLUE P24
LCB4, LCC4, LCC4-12*** SCL4	2 AWG SOL 4-3 AWG STR	4 AWG	1-1/8 1-1/8	GRAY P29 (3)	CD-720- GRAY P29
LCB2, LCC2 SCL2	2 AWG	0-2 AWG	1-1/4 1-1/4	BROWN P33 (3)	CD-720- BROWN P33
LCB1, LCC1 SCL1	1 AWG	6-1 AWG	1-7/8 1-3/8	GREEN P37 (3)	CD-720- GREEN P37
LCB10, LCC10 SCL10	1/0 AWG	6-1/0 AWG	1-1/2 1-3/8	—	CD-720- PINK P42
LCB20, LCC20 SCL20	2/0 AWG	4-2/0 AWG	1-5/8 1-1/2	—	CD-720- BLACK P45
LCB30, LCC30 SCL30	3/0 AWG	2-3/0 AWG	1-1/2 1-1/2	—	CD-720- ORANGE P49

## 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\*

CONDUCTOR	WIRE SIZE	WIRE STRIP LENGTH
LCB8, LCC8, SCL8	8 AWG	1-1/8 AWG
LCB6, LCC6, SCL6	6 AWG	1-1/4 AWG
LCB4, LCC4, SCL4	2 AWG SOL 4-3 AWG STR	1-1/8 AWG
LCB2, LCC2, SCL2	2 AWG	1-1/4 AWG
LCB1, LCC1, SCL1	1 AWG	1-7/8 AWG
LCB10, LCC10, SCL10	1/0 AWG	1-1/2 AWG
LCB20, LCC20, SCL20	2/0 AWG	1-5/8 AWG
LCB30, LCC30, SCL30	3/0 AWG	1-1/2 AWG

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*<sup>®</sup> *PAN-LUG*<sup>™</sup> 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.

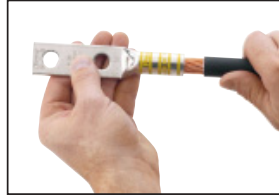


\*See condensed tool charts on pages B4-B27; for complete tool charts refer to pages D2.148-D2.186 of the Electrical Solutions Catalog, SA-ELCB03, at [www.panduit.com](http://www.panduit.com).

## 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.

DIN P42 (G)	(G)	FHN P42 (G)
D-920-2/0 ACK P45 (3)	STD (2)	CD-2001-2/0 BLACK P45 (3)
D-920-3/0 ANGE P50 (3)	STD (2)	CD-2001-3/0 ORANGE P50 (3)
D-920-4/0 RPLE P54 (3)	STD (2)	CD-2001-4/0 PURPLE P54 (3)
D-920-250 LOW P62 (3)	STD (3)	CD-2001-250 YELLOW P62 (3)
D-920-300 HITE P66 (3)	STD (3)	CD-2001-300 WHITE P66 (3)
D-920-350 ED P71 (3)	STD (3)	CD-2001-350 RED P71 (3)
D-920-400	STD	CD-2001-400

Review the installation instructions included with the *PANDUIT* product packaging or the tool charts\* for the proper number of crimps to be placed in the connector. Make the first crimp in the barrel nearest the tongue of the lug, or wire stop in a butt splice, and make successive crimps in the barrel working

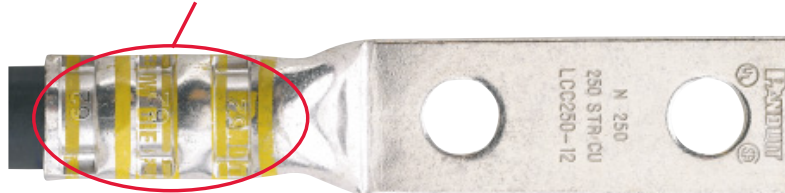
#### Identify

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

Power Connectors

PANDUIT Connector Type	Std. Wire Size	CT-1570	CT-1701 <sup>①</sup>	CT-1700 <sup>①</sup>	CT-720					
		Die Part Number / Color Code & Die Index Number								
LCA10	#14 – #10 AWG STR, #12 – #10 AWG SOL	12 – 10	P10	—	—					
LCB10										
LCD10										
LCC10										
LCA8	#8 AWG	—	—	Red P21	CD-720-1 Red P21					
LCA8										
LCAN8										
LCB8										
LCBN8										
LCD8										
LCDN8										
LCC8										
LCCN8										
SCSS8										
SCS8										
SCL8										
LCA6						#6 AWG	—	—	Blue P24	CD-720-1 Blue P24
LCA6										
LCAN6										
LCB6										
LCBN6										
LCD6										
LCDN6										
LCC6										
LCCN6										
SCSS6										
SCS6										
SCL6										
LCA4	#4 – #3 AWG STR, #2 AWG SOL	—	—	Gray P29	CD-720-1 Gray P29					
SCSS4										
LCA4										
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>†</sup> CT-920CH, <sup>†</sup> CT-930, CT-930CH, CT-2930, CT-930LPCH, <sup>®</sup> CT-2931, CT-2940, <sup>®</sup> CT-2920, <sup>†</sup> CT940CH <sup>®</sup>	<i>UNI-DIE™</i> CT-980, CT-2980, CT980CH, CT-2981, CT980LPCH, <sup>®</sup> CT-2950 <sup>®</sup> Extended Wire Range <sup>®</sup>	CT-2001, CT-2002
Die Part Number / Color Code & Die Index Number		
—	—	—
CD-920-8 Red P21	—	CD-2001-8 Red P21
CD-920-6 Blue P24	—	CD-2001-6 Blue P24
CD-920-4 Gray P29	#4 AWG STR	CD-2001-4 Gray P29

Power Connectors

Note: See page B27 for note references.

## PANDUIT Installation Tooling and Die Selection (continued)

**Power Connectors**

PANDUIT Connector Type	Std. Wire 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 Brown P33					
LCA2										
LCAN2 <sup>®</sup>										
LCB2										
LCBN2										
LCD2										
LCDN2										
LCC2										
LCCN2										
SCSS2										
SCS2										
SCL2										
LCAS1						#1 AWG	—	—	Green P37	CD-720-2 Green P37
LCA1										
LCAN1										
LCB1										
LCBN1										
LCD1										
LCDN1										
LCC1										
LCCN1										
SCSS1										
SCS1										
SCL1										
LCAS1/0	1/0 AWG	—	—	—	CD-720-2 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)

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

Note: See page B27 for note references.

Power Connectors

## PANDUIT Installation Tooling and Die Selection (continued)

PANDUIT Connector Type	Std. Wire Size	CT-1570	CT-1701	CT-1700	CT-720					
		Die Part Number / Color Code & Die Index Number								
LCAS2/0	2/0 AWG	—	—	—	CD-720-2 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 Orange 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 Purple P54					
LCA4/0										
LCAN4/0										
LCB4/0										
LCBN4/0										
LCD4/0										
LCDN4/0										
LCC4/0										
LCCN4/0										
SCSS4/0										
SCS4/0										
SCL4/0										

Power Connectors

## PANDUIT Installation Tooling and Die Selection (continued)

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

Note: See page B27 for note references.

Power Connectors

## PANDUIT Installation Tooling and Die Selection (continued)

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

Power Connectors

## PANDUIT Installation Tooling and Die Selection (continued)

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

Power Connectors

Note: See page B27 for note references.

## PANDUIT Installation Tooling and Die Selection (continued)

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

Power Connectors



## PANDUIT Installation Tooling and Die Selection (continued)

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

Note: See page B27 for note references.

## PANDUIT Installation Tooling and Die Selection (continued)

PANDUIT Connector Type	Std. Wire Size	CT-1570	CT-1701	CT-1700	CT-720
		Die Part Number / Color Code & Die Index Number			
LCA750	750 kcmil	—	—	—	—
LCAN750					
LCB750					
LCBN750					
LCD750					
LCDN750					
LCC750					
LCCN750					
SCS750					
SCL750					
LCB800					
LCBN800					
LCC800					
LCCN800					
LCB1000	1000 kcmil	—	—	—	—
LCBN1000					
LCD1000					
LCC1000					
LCCN1000					
SCS1000					
SCL1000					

Power Connectors

## PANDUIT Installation Tooling and Die Selection (continued)

CT-920, <sup>(1)</sup> CT-920CH, <sup>(1)</sup> CT-930, CT-930CH, CT-2930, CT-930LPCH, <sup>(6)</sup> CT-2931, CT-2940, <sup>(3)</sup> CT-2920, <sup>(1)</sup> CT940CH <sup>(3)</sup>	<i>UNI-DIE™</i> CT-980, CT-2980, CT-980CH, CT-2981, CT-980LPCH, <sup>(6)</sup> CT-2950 <sup>(5)</sup> Extended Wire Range <sup>(9)</sup>	CT-2001, CT-2002
Die Part Number / Color Code & Die Index Number		
CD-920-750 CD-940-750 <sup>(4)</sup> Black P106	500 – 750 kcmil	—
CD-940-800 <sup>(4)</sup> Orange P107	—	—
CD-940-1000 <sup>(4)</sup> White P125	—	—

Note: See page B27 for note references.

## Installation Tooling and Die Selection Cross Reference

Power Connectors

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

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

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

Note: See page B27 for note references.

Power Connectors

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

		Thomas & Betts				
PANDUIT Connector Type	Std. Wire Size	TBM20S, TBM25S	TBM5	TBM8	TBM12, 13642M	TBM15, TBM15I, TBM15BSCR
		Die Part Number / Color Code & Die Index Number				
LCAS2	#2 AWG	Brown 33	Brown 33	Brown 33	Brown 33	Brown 33
SCSS2						
LCA2						
LCAN2 <sup>®</sup>						
LCB2						
LCBN2						
LCD2						
LCDN2						
LCC2						
LCCN2						
SCS2						
SCL2						
LCAS1	#1 AWG	—	Green 37	Green 37	Green 37	Green 37
LCA1						
LCAN1						
LCB1						
LCBN1						
LCD1						
LCDN1						
LCC1						
LCCN1						
SCSS1						
SCS1						
SCL1						
LCAS1/0	1/0 AWG	—	Pink 42	Pink 42	Pink 42	Pink 42H <sup>®</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, TBM8-750, TBM8-750BSCR, TMB750BSCR®	TBM14M, TBM14BSCR, BPLT14BSCR, 13100A	Y2MR, Y1MRTC, Y1MR	MY29	Y35, Y35BH, Y39, Y39BH, Y750, Y750-2, Y750BH, Y750BH-2, Y750HS, PAT750, BAT750, BAT35	Y45, <sup>⑦</sup> Y46 <sup>⑦</sup>	Y644M, Y644HS, Y644MBH, PAT644, BAT644
Die Part Number / Color Code & Die Index Number						
STD	Brown 33	Brown 10	#2	U2CRT Brown 10	U2CRT Brown 10	STD
				U2CRT Brown 9 (SOL)/ Brown 10 (STR)	U2CRT Brown 9 (SOL)/ Brown 10 (STR)	
STD	Green 37	—	#1	U1CRT Green 11	U1CRT Green 11	STD
STD	Pink 42H <sup>②</sup>	—	1/0	U25RT Pink 12	U25RT Pink 12	STD

**Power Connectors**

Note: See page B27 for note references.

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

**Power Connectors**

PANDUIT Connector Type	Std. Wire Size	Thomas & Betts				
		TBM20S, TBM25S	TBM5	TBM8	TBM12, 13642M	TBM15, TBM15I, TBM15BSCR
		Die Part Number / Color Code & Die Index Number				
LCAS2/0	2/0 AWG	—	Black 45	Black 45	Black 45	Black 45
LCA2/0						
LCAN2/0						
LCB2/0						
LCCN2/0						
LCD2/0						
LCDN2/0						
LCC2/0						
LCCN2/0						
SCSS2/0						
SCS2/0						
SCL2/0						
LCAS3/0						
LCA3/0						
LCAN3/0						
LCB3/0						
LCCN3/0						
LCD3/0						
LCDN3/0						
LCC3/0						
LCCN3/0						
SCSS3/0						
SCS3/0						
SCL3/0						
LCAS4/0	4/0 AWG	—	Purple 54	Purple 54	Purple 54	Purple 54H <sup>®</sup>
LCA4/0						
LCAN4/0						
LCB4/0						
LCCN4/0						
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, TBM8-750, TBM8-750BSCR, TMB750BSCR®	TBM14M, TBM14BSCR, BPLT14BSCR, 13100A	Y2MR, Y1MRTC, Y1MR	MY29	Y35, Y35BH, Y39, Y39BH, Y750, Y750-2, Y750BH, Y750BH-2, Y750HS, PAT750, BAT750, BAT35	Y45, <sup>⑦</sup> Y46 <sup>⑦</sup>	Y644M, Y644HS, Y644MBH, PAT644, BAT644
Die Part Number / Color Code & Die Index Number						
STD	Black 45	—	2/0	U26RT Black 13	U26RT Black 13	STD
STD	Orange 50	—	3/0	U27RT Orange 14	U27RT Orange 14	STD
STD	Purple 54H <sup>®</sup>	—	4/0	U28RT Purple 15	U28RT Purple 15	STD

Note: See page B27 for note references.

Power Connectors

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

Power Connectors

		Thomas & Betts										
PANDUIT Connector Type	Std. Wire Size	TBM20S, TBM25S	TBM5	TBM8	TBM12, 13642M	TBM15, TBM15I, TBM15BSCR						
		Die Part Number / Color Code & Die Index Number										
LCAS250	250 kcmil	—	Yellow 62	Yellow 62	Yellow 62	Yellow 62						
LCA250												
LCAN250												
LCB250												
LCBN250												
LCD250												
LCDN250												
LCC250												
LCCN250												
SCSS250												
SCS250												
SCL250												
LCA300							300 kcmil	—	—	White 66	White 66H <sup>2</sup>	White 66
LCAN300												
LCB300												
LCBN300												
LCD300												
LCDN300												
LCC300												
LCCN300												
SCS300												
SCL300												
LCA350	350 kcmil	—	—	Red 71	Red 71H <sup>2</sup>	Red 71H <sup>2</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, TBM8-750, TBM8-750BSCR, TMB750BSCR®	TBM14M, TBM14BSCR, BPLT14BSCR, 13100A	Y2MR, Y1MRTC, Y1MR	MY29	Y35, Y35BH, Y39, Y39BH, Y750, Y750-2, Y750BH, Y750BH-2, Y750HS, PAT750, BAT750, BAT35	Y45, <sup>⑦</sup> Y46 <sup>⑦</sup>	Y644M, Y644HS, Y644MBH, PAT644, BAT644
Die Part Number / Color Code & Die Index Number						
STD	Yellow 62	—	250	U29RT Yellow 16	U29RT Yellow 16	STD
STD	White 66	—	—	U30RT White 17	U30RT White 17	STD
STD	Red 71H <sup>®</sup>	—	—	U31RT Red 18	U31RT Red 18	STD

Note: See page B27 for note references.

**Power Connectors**

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

**Power Connectors**

		Thomas & Betts				
PANDUIT Connector Type	Std. Wire Size	TBM20S, TBM25S	TBM5	TBM8	TBM12, 13642M	TBM15, TBM15I, TBM15BSCR
		Die Part Number / Color Code & Die Index Number				
LCA400	400 kcmil	—	—	Blue 76	Blue 76H <sup>2</sup>	Blue 76H <sup>2</sup>
LCAN400						
LCB400						
LCBN400						
LCD400						
LCDN400						
LCC400						
LCCN400						
SCS400						
SCL400						
LCA500	500 kcmil	—	—	Brown 87	Brown 87H <sup>2</sup>	Brown 87H <sup>2</sup>
LCAN500						
LCB500						
LCBN500						
LCD500						
LCDN500						
LCC500						
LCCN500						
SCS500						
SCL500						
LCA600	600 kcmil	—	—	—	Green 94H <sup>2</sup>	Green 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, TBM8-750, TBM8-750BSCR, TMB750BSCR®	TBM14M, TBM14BSCR, BPLT14BSCR, 13100A	Y2MR, Y1MRTC, Y1MR	MY29	Y35, Y35BH, Y39, Y39BH, Y750, Y750-2, Y750BH, Y750BH-2, Y750HS, PAT750, BAT750, BAT35	Y45, <sup>⑦</sup> Y46 <sup>⑦</sup>	Y644M, Y644HS, Y644MBH, PAT644, BAT644
Die Part Number / Color Code & Die Index Number						
STD	Blue 76	—	—	U32RT Blue 19	U32RT Blue 19	STD
STD	Brown 87H <sup>②</sup>	—	—	U34RT Brown 20	U34RT Brown 20	STD
STD	Green 94H <sup>②</sup>	—	—	U36RT Green 22	U36RT Green 22	STD

Note: See page B27 for note references.

**Power Connectors**

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

**Power Connectors**

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

Note: See page B27 for note references.

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

Thomas & Betts		Burndy				
TBM8-750M-1, TBM8-750, TBM8-750BSCR, TMB750BSCR <sup>⑧</sup>	TBM14M, TBM14BSCR, BPLT14BSCR, 13100A	Y2MR, Y1MRTC, Y1MR	MY29	Y35, Y35BH, Y39, Y39BH, Y750, Y750-2, Y750BH, Y750BH-2, Y750HS, PAT750, BAT750, BAT35	Y45, <sup>⑦</sup> Y46 <sup>⑦</sup>	Y644M, Y644HS, Y644MBH, PAT644, BAT644
Die Part Number / Color Code & Die Index Number						
STD	Black 106H <sup>②</sup>	—	—	U39RT Black 24	U39RT Black 24	STD
—	125H <sup>②</sup>	—	—	—	S44RT White 27	—

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

<sup>②</sup> Half width dies.

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

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

<sup>⑤</sup> Maximum size: 500 kcmil lugs and 250 kcmil splices.

<sup>⑥</sup> Maximum size: 250 kcmil lugs and splices.

<sup>⑦</sup> Requires U die adapter.

<sup>⑧</sup> Minimum size: #4 AWG lugs and splices.

<sup>⑨</sup> LCN2 lugs for use with #2 AWG and #3 AWG wire.

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

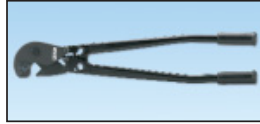
<sup>⑪</sup> Maximum splice size for CT-920, CT920CH and CT-2920 tools is 400 kcmil.

## 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.

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## 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

Power Connectors

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-720-1</b>	#8 – #2 AWG	Red P21, Blue P24, Gray P29, Brown P33	#6 AWG	Gray P29	1
<b>CD-720-2</b>	#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
<b>CD-720-3</b>	4/0 AWG – 250 kcmil	Purple P54, Yellow P62	2/0 – 3/0 AWG	Olive P54, Ruby P62	1
<b>CD-720-4</b>	300 kcmil	White P66	4/0 AWG	White P66	1
<b>CD-720-5</b>	350 kcmil	Red P71	250 kcmil	Red P71	1
<b>CD-720-6</b>	400 kcmil	Blue P76	300 kcmil	Blue P76	1
<b>CD-720-7</b>	500 kcmil	Brown P87	350 kcmil	Brown P87	1
<b>CD-720PV8-2</b>	#8 – #2 AWG, vinyl insulated <i>PAN-TERM</i> <sup>®</sup> 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 #3 AWG STR #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.	
<b>CD-920-8</b>	#8 AWG	Red P21	—	—	1
<b>CD-920-6</b>	#6 AWG	Blue P24	—	—	1
<b>CD-920-4</b>	#4 AWG	Gray P29	#6 AWG	Gray P29	1
<b>CD-920-2</b>	#2 AWG	Brown P33	—	—	1
<b>CD-920-1</b>	#1 AWG	Green P37	#4 AWG	Green P37	1
<b>CD-920-1/0</b>	1/0 AWG	Pink P42	#2 AWG	Pink P42	1
<b>CD-920-2/0</b>	2/0 AWG	Black P45	#1 AWG	Gold P45	1
<b>CD-920-3/0</b>	3/0 AWG	Orange P50	1/0 AWG	Tan P50	1
<b>CD-920-4/0</b>	4/0 AWG	Purple P54	2/0 AWG	Olive P54	1
<b>CD-920-250</b>	250 kcmil	Yellow P62	3/0 AWG	Ruby P62	1
<b>CD-920-300</b>	300 kcmil	White P66	4/0 AWG	White P66	1
<b>CD-920-350</b>	350 kcmil	Red P71	250 kcmil	Red P71	1
<b>CD-920-400</b>	400 kcmil	Blue P76	300 kcmil	Blue P76	1
<b>CD-920-500</b>	500 kcmil	Brown P87	350 kcmil	Brown P87	1
<b>CD-920-600</b>	600 kcmil	Green P94	400 kcmil	Green P94	1
<b>CD-920-500A</b>	500 kcmil flex, 600 kcmil flex	Pink P99	500 kcmil	Pink P99	1
<b>CD-920-750</b>	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.
<b>CD-940-DA</b>	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**.

For service and technical support, call 800-777-3300  
or visit [www.panduit.com](http://www.panduit.com).

## 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 PAN-LUG™ 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 PAN-LUG™ 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 PAN-LUG™ 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 PAN-LUG™ 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



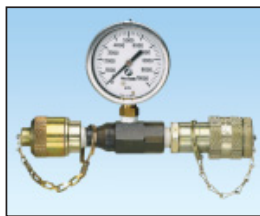
**CG-920**



**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*<sup>™</sup> 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

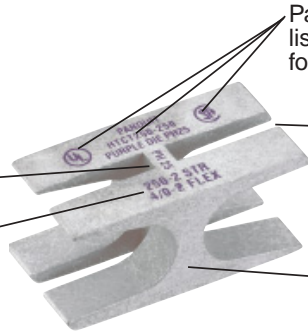


## Features and Benefits – *PAN-LUG™* Compression Connectors (continued)

### 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

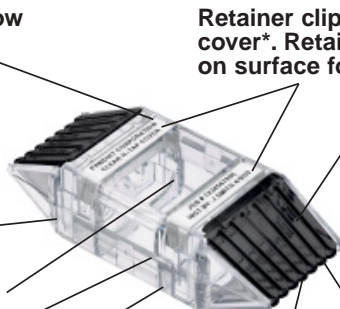
Optically clear to allow 360° inspections

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



Power Connectors

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.
LCB8-14-L	#8 AWG	1/4	50
<b>LCB6-14-L</b>	#6 AWG	1/4	50
LCB6-38-L		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
LCB1-56-E	#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
LCB2/0-12-X		1/2	10
<b>LCB3/0-38-X</b>	3/0 AWG	3/8	10
LCB3/0-12-X		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, #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, #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**.

For service and technical support, call 800-777-3300  
or visit [www.panduit.com](http://www.panduit.com).

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## 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, #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.

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## 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.
SCL8-L	#8 AWG	2.25	50
<b>SCL6-L</b>	#6 AWG	2.38	50
<b>SCL4-L</b>	#4 – #3 AWG STR, #2 AWG SOL	2.38	50
<b>SCL2-Q</b>	#2 AWG	2.62	25
SCL1-E	#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
SCL250-X	250 kcmil	3.38	10
SCL350-X	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.		
PS8-L	19,000	25,000	.40	50
PS6-L	25,000	40,000	.44	50
PS2-Q	65,000	100,000	.64	25
PS4/0-X	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		
<b>LCAX2/0-14-X</b>	2/0 AWG	2/0 AWG	1/4	10
<b>LCAX2/0-56-X</b>			5/16	10
<b>LCAX2/0-38-X</b>			3/8	10
<b>LCAX2/0-12-X</b>			1/2	10
<b>LCAX3/0-14-X</b>	3/0 AWG	3/0 AWG	1/4	10
<b>LCAX3/0-56-X</b>			5/16	10
<b>LCAX3/0-38-X</b>			3/8	10
<b>LCAX3/0-12-X</b>			1/2	10
<b>LCAX4/0-56-X</b>	4/0 AWG	4/0 AWG	5/16	10
<b>LCAX4/0-38-X</b>			3/8	10
<b>LCAX4/0-12-X</b>			1/2	10
<b>LCAX250-56-X</b>	250 kcmil	262.6 kcmil	5/16	10
<b>LCAX250-38-X</b>			3/8	10
<b>LCAX250-12-X</b>			1/2	10
<b>LCAX300-12-6</b>	300 kcmil	313.1 kcmil	1/2	6
<b>LCAX350-38-6</b>	350 kcmil	373.7 kcmil	3/8	6
<b>LCAX350-12-6</b>			1/2	6
<b>LCAX500-12-6</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**.

For service and technical support, call 800-777-3300 or visit [www.panduit.com](http://www.panduit.com).

## 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

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.

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## 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			3/8	50
LCDX4-14A-L	#4 AWG	#5, #4, #3 AWG	1/4	50
LCDX4-14B-L			1/4	50
LCDX4-14D-L			1/4	50
LCDX4-38D-L			3/8	50
LCDX2-14A-E	#2 AWG	#2 AWG	1/4	20
LCDX2-14B-E			1/4	20
LCDX2-14D-E			1/4	20
LCDX2-38D-E			3/8	20
LCDX1-14A-X	#1 AWG	#1 AWG	1/4	10
LCDX1-38D-X			3/8	10
LCDX1/0-38D-X	1/0 AWG	1/0 AWG	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

Technical Information

## 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
<b>UL 486A (TERMINALS), UL310 (MALE BLADE ADAPTERS)</b>									
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
<b>UL310 (DISCONNECTS)</b>							
Continuous Test Current for Max. 30°C Rise (amps) (for 187", 205", 250" tab widths)	3	4	7	10	15	20	24
Continuous Test Current for Max. 30°C Rise (amps) (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 Wire Connectors & Soldering Lugs for use in US & Canada	CLRCVR, HTCT, CTAPF, CTAP, LCAX, LCBX, LCCX, LCDX, LCAN, LCDN, RSC, LCEX
	Underwriters Laboratories, Inc.	UL 486A Wire Connectors & Soldering Lugs for use in US	Copper & aluminum compression connectors (except: PS, SCT, HTAP, TAPC, SAR); Copper & aluminum split bolts; Copper & aluminum mechanical lugs & splices (except: PNLC, LAM2A1000, LAM3B, LAM3D, LAM4D, PCSB750, LAM2LB800)
	Underwriters Laboratories, Inc.	UL 467 Grounding & Bonding Equipment for use in US & Canada	SP1, SP2, SPF1, SPF2, GPL, GMS, GM
	Underwriters Laboratories, Inc.	UL 467 Grounding & Bonding Equipment for use in US	CTAP, KP, WB, GC
	Underwriters Laboratories, Inc.	UL 486A Wire Connectors & Soldering Lugs for use in US	LCA-00, LCD-00, LCC-00
	Canadian Standards Association	C22.2 No. 65-03 Wire Connectors	Copper & aluminum compression connectors (except: PS, SCT, HTAP, TAPC, SAR, CTAP, BPC); Copper & aluminum split bolts (except: SBCL, VT, VTA); Copper & aluminum mechanical lugs & splices (except: ML, ML-T, HL, HLB, HLA-90, PNL-2, HL-2, HL-2N, HHL-2N, H2L-2N, P2NLT, PNLC, HC, LAM2A1000, LAM2B, LAM2SB600, LAM2SB750, LAM3B, LAM3D, LAM4D, PCSB750)
	Canadian Standards Association	C22.2 No. 41-M1987 (R1999) Grounding & Bonding Equipment	WB, KP
	American Bureau of Shipping	ABS Rules Steel Vessel Rules 1-1-4/7.7, 4-8-3/9.19, 4-8-4/21.27	Copper compression connectors LCA, LCAF, LCAS, LCAX, LCB, LCC, LCD, S-R, LCDX, SCS, SCSF
NEBS Level 3	Telcordia Technologies, Inc.	Network Equipment – Building Systems	Copper compression connectors LCAS, LCA, LCD, LCB, LCC, LCAF, LCCF, SCSS, SCS, SCL, SCSF


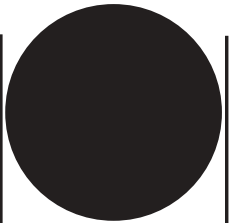
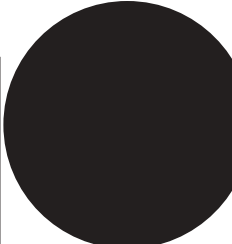
## Equivalent Tables Fractional Inches/Decimal Inches/Millimeters

		.0156	0,396			.5156	13,100
		.0468	1,189			.5468	13,891
		.0781	1,984			.5781	14,684
		.1093	2,779			.6093	15,479
		.1406	3,571			.6406	16,271
		.1718	4,366			.6718	17,066
		.2031	5,159			.7031	17,859
		.2343	5,954			.7343	18,654
		.2656	6,746			.7656	19,446
		.2968	7,541			.7968	20,241
		.3281	8,337			.8281	21,034
		.3593	9,129			.8593	21,828
		.3906	9,921			.8906	22,620
		.4218	10,716			.9218	23,416
		.4531	11,509			.9531	24,208
		.4843	12,304			.9843	25,001
		.5	12,700			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" <sup>**</sup> .406" <sup>***</sup>	.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 mm <sup>2</sup>		mm	In.	mm	In.	Circ. 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
		19	.13	.005	.61	.024	475
	0.25	65	.07	.003	.65	.026	484
		128	.05	.002	.65	.026	496
		32	.10	.004	.65	.026	496
		14	.16	.006	.65	.026	556
		1	.64	.025	.64	.025	625
22		16	.16	.006	.76	.030	635
		26	.13	.005	.76	.030	650
		7	.25	.010	.76	.030	700
		19	.16	.006	.79	.031	754
		48	.10	.004	.80	.031	744
	0.38	194	.05	.002	.80	.031	752
		100	.07	.003	.80	.031	760
		7	.27	.011	.80	.031	791
		12	.21	.008	.80	.031	820
		21	.16	.006	.80	.031	833
	0.5	7	.30	.012	.90	.035	977
		16	.20	.008	.90	.035	992
		1	.80	.031	.80	.031	992
20		*10	.25	.010	.89	.035	1000
		1	.81	.032	.81	.032	1024
		41	.13	.005	.91	.036	1025
		26	.16	.006	.91	.036	1032
		*7	.32	.013	.97	.038	1111
		19	.20	.008	.94	.037	1216
	0.75	7	.37	.015	1.10	.043	1485
		24	.20	.008	1.20	.047	1488
		1	1.00	.039	1.00	.039	1550
18		*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 mm <sup>2</sup>		mm	In.	mm	In.	Circ. 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 mm <sup>2</sup>		mm	In.	mm	In.	Circ. MILS
	120	37	2.06	0.081	14.4	0.567	237.8 kcmil
250 kcmil		37	2.07	0.0822	14.6	0.575	250 kcmil
300 kcmil	150	37	2.29	0.09	16	0.63	300 kcmil
350 kcmil		37	2.47	0.0973	17.3	0.681	350 kcmil
	185	37	2.54	0.1	17.8	0.7	365.1 kcmil
400 kcmil		37	2.64	0.104	18.5	0.728	400 kcmil
	240	37	2.9	0.114	20.3	0.798	473.6 kcmil
		61	2.26	0.089	20.3	0.801	473.6 kcmil
500 kcmil		37	2.95	0.1162	20.7	0.813	500 kcmil
		61	2.3	0.0905	20.7	0.814	500 kcmil
	300 kcmil	61	2.51	0.099	22.6	0.891	592.1 kcmil
600 kcmil		61	2.52	0.0992	22.7	0.893	600 kcmil
700 kcmil		61	2.72	0.1071	24.5	0.964	700 kcmil
750 kcmil		61	2.82	0.1109	25.4	0.998	750 kcmil
		91	2.31	0.0908	25.4	0.998	750 kcmil
	400	61	2.9	0.114	26.1	1.026	798.4 kcmil
800 kcmil		61	2.91	0.1145	26.2	1.031	800 kcmil
		91	2.38	0.0938	26.2	1.032	800 kcmil
1000 kcmil	500	61	3.25	0.128	28.3	1.152	986.8 kcmil
		91	2.66	0.1048	29.3	1.153	1000 kcmil
	625	91	2.97	0.117	32.7	1.287	1233.7 kcmil

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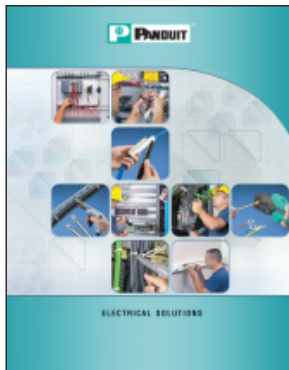
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**PANDUIT** is a global leader in cabling and communication products, delivering end-to-end solutions in support of demanding electrical and networking requirements.

## **PANDUIT Catalogs**

### **Electrical Solutions**

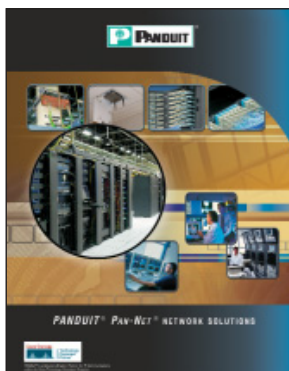
#### **SA-ELCB03**



- 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