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PANDUIT Termination Solutions



Success Depends on the Crimp.



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

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

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

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

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

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

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

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



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

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



3. Select the proper crimp tool to be used

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



Plier Type Crimping Tool



CONTOUR CRIMP™ Controlled Cycle Crimping Tool

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

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

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



5. Perform the electrical crimp For the plier type tool

Insulated Terminals and Disconnects

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


Step A

Step B

Steps C & D

Step E

Complete Crimp

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

Non-Insulated Terminals and Disconnects

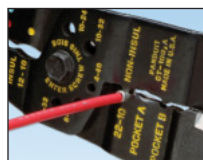
- Locate terminal in appropriate wire gauge crimp die pocket with indenter centered on barrel seam.
- Rotate terminal so tongue is level with crimp die.
- Insert properly stripped wire (based on recommendations on package label) into terminal until a minimum of 1/32" of wire extends beyond the terminal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



Step A



Step B



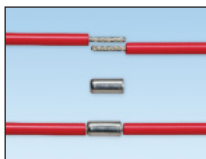
Steps C & D



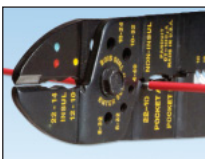
Complete Crimp

Insulated and Non-Insulated Parallel Splices

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



Steps A & B



Steps C & D

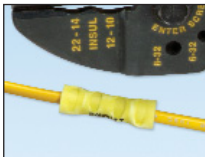


Complete Crimp

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

Insulated and Non-Insulated Butt Splices

- 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)
- Insert properly stripped wire (based on recommendations on package label) into one end of butt splice.
- 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. Caution: When using plier type crimping tools, do not squeeze as firmly as you did for the electrical crimp. (See Note 3 page A6)
- Repeat steps one to four for opposite end of butt splice.

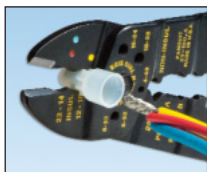
**Steps A & B****Steps C****Step D & E****Complete Crimp**

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

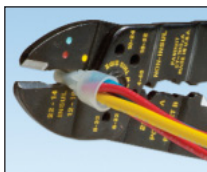
Insulated and Non-Insulated Wire Joints

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

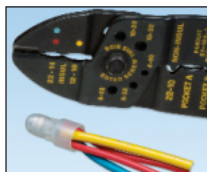
Note: an insulation crimp is not required on an insulated wire joint.



Steps 1 & 2



Steps 3 & 4



Complete Crimp

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

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

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

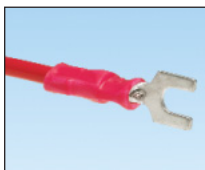
5. Perform the electrical crimp using the preferred controlled cycle tool

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

**Step A****Step B****Step C****Step D****Complete Crimp**

6. Inspect the crimp

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

**Bent Back Strands****Over Crimp****Rotated Crimp**



Panduit Installation Tooling for Terminals, Disconnects and Splices

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

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

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



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

Terminal Series	Std. Wire Range (AWG)	Wire Strip Length (In.) +1/32;-0]	Plier Tools				Controlled Cycle Hand Tools										Crimp Heads for Pneumatic CT-600 Tool				CT-720 Mechanical		
			CT-100	CT-160	CT-200	CT-260	CT-300-1	CT-310	CT-400	CT-460	CT-1014	CT-1015	CT-1525	CT-1550	CT-1551	CT-1570	CT-1701	CT-500CH	CT-520CH	CT-550CH		CT-570CH	
DNFR-B – Nylon Pre-Insulated, Right Angle	22-18	9/32	X																				
	16-14	9/32	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		

Wire Joints

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

Terminals

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





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

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



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

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

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

‡Use Die CD-700P-8-2

PANDUIT Installation Tooling for Tubular Ring Terminals

Tooling	CT-1700	CT-720	CT-930, CT-930CH, CT-920, CT-920CH, CT-2920, CT-940CH	CT-980, CT-980CH, CT-2950, CT-2980	CT-2001
PANDUIT® Part Number	PANDUIT® Die Part Number Die Index Number (Number of Crimps)				
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	—	CD-720-2 P42 (1)	CD-920-1/0 P42 (1)	STD (1)	CD-2001-1/0 P42 (1)
S1/0-14R-X					
S1/0-56R-X					
S1/0-38R-X					
S1/0-12R-X	—	CD-720-2 P45 (2)	CD-920-2/0 P45 (1)	STD (1)	CD-2001-2/0 P45 (2)
S2/0-14R-X					
S2/0-56R-X					
S2/0-38R-X					
S2/0-76R-X	—	CD-720-2 P50 (2)	CD-920-3/0 P50 (1)	STD (1)	CD-2001-3/0 P50 (2)
S2/0-12R-X					
S3/0-14R-5					
S3/0-56R-5					
S3/0-38R-5	—	CD-720-3 P54 (2)	CD-920-4/0 P54 (1)	STD (1)	CD-2001-4/0 P54 (2)
S3/0-76R-5					
S4/0-12R-5					
S4/0-38R-5					
S4/0-76R-5	—	CD-720-3 P62 (2)	CD-920-250 P62 (1)	STD (1)	CD-2001-250 P62 (2)
S4/012R-5					
S250-56R-5					
S250-38R-5					
S250-76R-5	—	CD-720-3 P62 (2)	CD-920-250 P62 (1)	STD (1)	CD-2001-250 P62 (2)
S250-12R-5					

PANDUIT Installation Tooling for Ferrules

PANDUIT Ferrule Series	Ferrule Description	Wire Range (AWG)	Wire Range (mm ²)	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.
CT-260	Crimps insulated and non-insulated terminals. Forged steel tool. Cuts wire.	1
CT-200	Crimps most <i>PANDUIT</i> #18 – #10 AWG non-insulated terminals, disconnects and splices. Forged steel tool. Cuts wire.	1
CT-160	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
CT-100	Crimps most <i>PANDUIT</i> #26 – #10 AWG insulated and non-insulated terminals, disconnects and splices. Cuts #4, #6, #8 and #10 screw sizes. Cuts and strips wire. Excellent all-around application tool of heat treated finished steel with comfortable cushioned plastic grip handles.	1

Prime items appear in **BOLD**.

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

CONTOUR CRIMP™ Controlled Cycle Tools


CT-1525

CT-1550

CT-1551

CT-1700

CT-1014

CT-1570

CT-1701

CT-1015

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

Part Number	Part Description	Std. Pkg. Qty.
CT-1525	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
CT-1550	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
CT-1551	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
CT-1570	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
CT-1700	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
CT-1701	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
CT-1014	Crimps <i>PANDUIT</i> #22 – #14 AWG loose piece <i>DISCO-LOK</i> ™ disconnects.	1
CT-1015	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.
CT-300-1	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.
CT-1002	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
CT-1003	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
CT-1004	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
CT-1005	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
CT-1006	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.
CST101	V notch wire stripper.	1
CST115	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.
CST114-157	Cable stripping tool for stripping insulation from cables 3/16" to 1 9/16" diameter. Includes replacement cutting blade. Warranty: 90 days	1

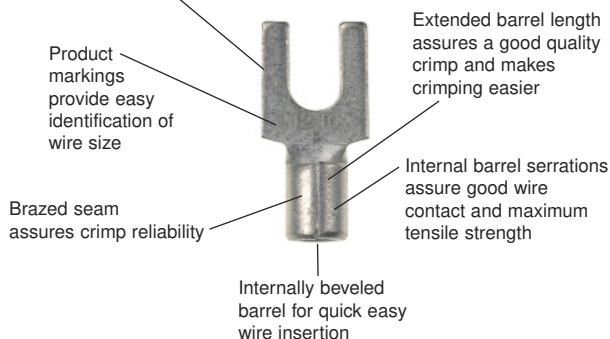
Prime items appear in **BOLD**.

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)



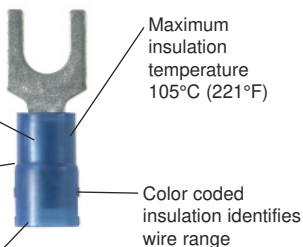
UL and CSA rated up to 2000V per UL486A.
Nickel plated terminals rated up to 343°C (650°F) maximum operating temperature.

Nylon Insulated Terminals With Insulation Grip Sleeve Type PN or PNF

Internal barrel serrations assure good wire contact and maximum tensile strength

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

Funnel entry for faster insertion and lower installed cost



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

Internal barrel serrations assure good wire contact and maximum tensile strength

Insulation crimp provides insulation support to protect electrical crimp

Funnel entry for faster insertion and lower installed cost



Maximum insulation temperature 105°C (221°F)

Brazed seam assures crimp reliability

Color coded insulation identifies wire range



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

Non-Insulated Seamless Tubular Terminals Type S

Internally beveled barrel for quick easy wire insertion

Seamless tubular barrel provides consistent, high performance, quality crimps

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



Inspection hole allows visual inspection for proper wire insertion

Product markings provide easy identification of wire sizes

Double thickness provides a strong ring tongue



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

Prime items appear in **BOLD**.

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

Multiple Stud Terminal, Vinyl Insulated – Funnel Entry



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



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

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

Ring Terminal, Vinyl Expanded Insulation



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



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

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

Prime items appear in **BOLD**.

Ring Terminal, Non-Insulated



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



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

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

*For a complete line of terminal products, see the *PANDUIT* Electrical Solutions Catalog, SA-ELCB03 at www.panduit.com

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.**
PV22-6F-C*	#6	26 – 22 AWG	Yellow	CT-100, CT-600, CT-1525	100
PV18-6FN-CY	#6	22 – 18 AWG	Red	CT-100‡, CT-600‡, CT-1550‡, CT-1551‡	100
PV18-6F-CY	#6				100
PV18-8F-CY	#8				100
PV18-10F-CY	#10				100
PV14-6FN-C	#6	16 – 14 AWG	Blue	CT-100‡, CT-600‡, CT-1550‡, CT-1551‡	100
PV14-6F-C	#6				100
PV14-8F-C	#8				100
PV14-10FN-C	#10				100
PV14-10F-C	#10				100
PV14-14F-C	1/4"				100
PV10-6F-L	#6	12 – 10 AWG	Yellow	CT-100‡, CT-600‡, CT-1550‡, CT-1551‡	50
PV10-8F-L	#8				50
PV10-10F-L	#10				50
PV10-14F-L	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**.