

Splices

Panduit® Pan-Term® Splices are designed and manufactured for fast assembly, and long reliable performance. As the demand for splices increases, it becomes essential to provide a complete system for termination products. We provide an extensive line of tooling designed specifically to provide optimum performance when used as a system for terminating.



- Suitable for in-line, parallel, and group splicing of wires
- Nylon and vinyl insulated as well as non-insulated
- Available in sizes from #26 – 10 AWG
- Internal wire stops on butt splices prevent over insertion of wires
- Applicable sizes are UL Listed and CSA Certified, as noted
- Wide assortment of manual, controlled cycle, battery operated hydraulic and pneumatic crimping tools for reliable connections at the lowest installed cost

Panduit continually provides new designs to meet the application challenges encountered by our customers. Panduit offers a wide assortment of Pan-Term® termination products to meet customer needs at the lowest installed cost.

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Features and Benefits – Pan-Term® Splices and Wire Joints

<p>Non-Insulated Wire Joints Type J</p> <p>Only one crimp needed to complete splice</p> <p>Maximum recommended operating temperature 302°F (150°C)</p>  <p>Internally beveled barrel for quick easy wire insertion</p> <p>UL and CSA rated up to 2000 V per UL 486C.</p>	<p>Non-Insulated Parallel Splices Type PS</p> <p>Seamless tubular barrel provides consistent high performance quality crimps</p> <p>Maximum recommended operating temperature 302°F (150°C)</p>  <p>Only one crimp needed to complete splice</p> <p>UL and CSA rated up to 2000 V per UL 486C.</p>
<p>Nylon Wire Joints Type JN</p> <p>Fully insulated housing protects crimp joint</p> <p>Maximum insulation temperature 221°F (105°C)</p>  <p>Only one crimp needed to complete splice</p> <p>Deep skirt to accommodate multiple variations of wire combinations</p> <p>UL and CSA rated up to 600 V per UL 486C. Metric versions available. Flammability – UL 94 HB.</p>	<p>Nylon Parallel Splices Type PSN</p> <p>Maximum insulation temperature 221°F (105°C)</p>  <p>Only one crimp needed to complete splice</p> <p>Rated up to 300 V. Flammability – UL 94 HB.</p>



Panduit® designs and manufactures a full line of labeling products, software, and printers to assist you with your labeling requirements. See pages E1.1 – E2.27.

Features and Benefits – Pan-Term® Splices

Nylon Butt Splices Type BSN

Internal wire stops
assure proper
insertion length



Maximum
insulation
temperature
221°F (105°C)

Brazed seam
assures crimp
reliability

UL and CSA rated up to 600 V per UL 486C.
Flammability – UL 94 HB.

Vinyl Butt Splices Type BSV

Internal wire stops
assure proper
insertion, length



Maximum
insulation
temperature
221°F (105°C)

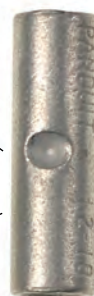
Brazed seam
assures crimp
reliability

Expanded
wire entry
accommodates
larger insulation

UL and CSA rated up to 600 V per UL 486C.
Flammability – UL 94V-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
302°F (150°C)

Internally beveled
barrel for quick
easy wire insertion

UL and CSA rated up to 2000 V per UL 486C.
Metric versions available.



Panduit wiring duct offers a wide variety of sizes and types to meet the wire capacity needs and space constraints of the smallest wall mounted to the largest integrated systems.

See pages C1.1 – C1.53.



A comprehensive selection of cable ties used to bundle, mount, and identify wire and cable.
See pages B1.1 – B1.106.

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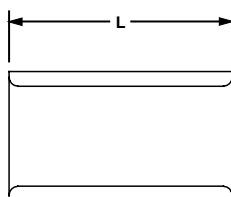
A. System Overview	<div><div>PANDUIT®</div><div>Industrial Electrical Solutions</div></div>					
B1. Cable Ties	Selection Guide – Pan-Term® Splices and Wire Joints					
B2. Cable Accessories	<div><div>PANDUIT</div><div>Splices and Wire Joints</div></div>	Material	Style	Feature	Type	Page Number
B3. Stainless Steel Cable Ties & Accessories		Nylon	Butt Splice	Brazed Seam	BSN	D1.49
C1. Wiring Duct			Parallel Splice	Seamless Barrel	PSN	D1.50
			Wire Joint	Multiple Wire Connector	JN	D1.51
C2. Abrasion Protection		Vinyl	Butt Splice	Expanded Insulation	BSV	D1.49
		Heat Shrink	Butt Splice	Heat Shrink Insulation	BSH	D1.52
C3. Cable Management		Non-Insulated	Butt Splice	Brazed Seam	BS	D1.50
			Parallel Splice	Seamless Barrel	PS	D1.51
			Wire Joint		J	D1.52
D1. Terminals		Part Number System for Pan-Term® Splices				
D2. Power Connectors	<div>BS</div> <div>Type</div>	<div>V</div> <div>Insulation</div>	<div>14</div> <div>Wire Range</div>	<div>X</div> <div>Special Configuration</div>	<div>—</div>	<div>M</div> <div>Std. Pkg. Size</div>
D3. Grounding Connectors	BS = Butt Splice PS = Parallel Splice	H = Heat Shrink N = Nylon V = Vinyl = Non-Insulated (leave blank)	22 = #26 – 22 18 = #22 – 18 14 = #16 – 14 13 = #14 – 12 10 = #12 – 10	X = Expanded Insulation		Q = 25 L = 50 C = 100 T = 200 D = 500 M = 1000
E1. Labeling Systems	Part Number System for Pan-Term® Wire Joints					
E2. Labels	<div>JN</div> <div>Type</div>	<div>418-212</div> <div>Wire Range</div>	<div>—</div>	<div>C</div> <div>Std. Pkg. Size</div>		
E3. Pre-Printed & Write-On Markers	J = Non-Insulated JN = Nylon-Insulated	J Types 214 – 312 = (2) #14 – (3) #12 318 – 412 = (3) #14 – (4) #12 216 – 410 = (2) #16 – (4) #10 JN Types 224 – 318 = (2) #24 – (3) #18 218 – 216 = (2) #18 – (2) #16 418 – 212 = (4) #18 – (2) #12 314 – 412 = (3) #14 – (4) #12		Q = 25 L = 50 C = 100 T = 200 D = 500 M = 1000		
E4. Permanent Identification						
E5. Industrial Safety Solutions						
F. Keystone Cabling Systems						
G. Part Number Index						
D1.48	Order number of pieces required, in multiples of Standard Package Quantity.					



Parallel Splice, Non-Insulated

Type PS

- Designed to splice two solid or stranded wires together to repair or lengthen wires
- Parallel design results in only one crimp required to complete splice
- Seamless tubular barrel provides a consistent high performance quality crimp
- Non-insulated barrel can be used to provide an economical termination when insulation is not required
- Maximum recommended operating temperature 302°F (150°C)
- UL and CSA rated up to 2000 V per UL 486C



Part Number	Wire Range	Figure Dimensions (In.)	Wire Strip Length (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
		L				
PS18-C	22 – 18 AWG	0.29	5/16	CT-100A, CT-200	100	500
PS16-C	20 – 16 AWG	0.29	5/16		100	500
PS12-L	14 – 12 AWG	0.38	7/16		50	500

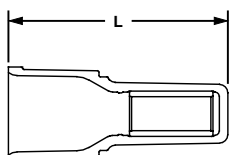
**Bulk packaging may be available, contact Panduit® Customer Service for additional information.
For crimping tool information see www.panduit.com/tools.



Wire Joint, Nylon Insulated

Type JN

- Large barrel, designed to accommodate from one to seven wires with just one crimp
- Accommodates multiple wire sizes in varying combinations
- Barrel of terminal internally beveled to provide quick and easy wire insertion
- UL Flammability UL 94 HB, maximum insulation temperature 221°F (105°C)
- UL and CSA rated up to 600 V per UL 486C



Part Number	Wire Range	Color Code	CMA Range		Figure Dimensions (In.)	Wire Strip Length (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
			Min.	Max.	L				
JN224-318-C	(2) #24 – (2) #16	Red	808	5160	0.79	7/16	CT-1550‡, CT-1551‡, CT-2500‡	100	1000
JN218-216-C	(2) #22 – (2) #16	Clear	1284	5160	0.78	7/16	CT-1550‡, CT-1551‡, CT-2500‡	100	1000
JN418-212-C	(4) #18 – (2) #12	Clear	6480	14750	0.93	1/2	CT-100A‡, CT-1550‡, CT-1551‡, CT-2500‡	100	1000
JN314-412-C*	(3) #14 – (4) #12	Clear	10320	26120	0.97	5/8	CT-100A, CT-160, CT-260	100	1000

*Not UL or CSA Listed.

**Bulk packaging may be available, contact Panduit Customer Service for additional information.

‡UL and CSA approved tooling/product combinations. For crimping tool information see www.panduit.com/tools.

Note: Wire combinations using #24 AWG wire are not UL Listed or CSA Certified.

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