

## 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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F.	Keystone Cabling Systems
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### Features and Benefits – Pan-Term® Splices and Wire Joints

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



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)

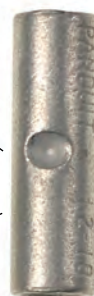
Brazed seam  
assures crimp  
reliability

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	<b>J Types</b> 214 – 312 = (2) #14 – (3) #12 318 – 412 = (3) #14 – (4) #12 216 – 410 = (2) #16 – (4) #10 <b>JN Types</b> 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.					

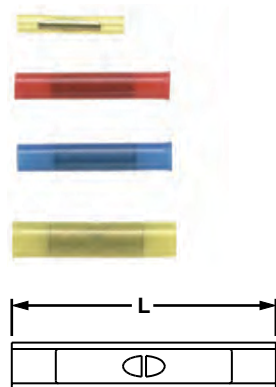




## Butt Splice, Nylon Insulated

### Type BSN

- Designed to splice two solid or stranded wires together to repair or lengthen wires
- Butted configuration provides low profile for limited space applications
- Brazed seam protects terminal barrel from splitting during the crimp process
- Internal wire stop assures proper length of insertion into terminal barrel
- 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	Max. Ins. (In.)	Figure Dimensions (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
				L			
BSN22-C*	26 – 22 AWG	Yellow	0.080	0.79	CT-1525, CT-2500	100	1000
BSN18-C	22 – 18 AWG	Red	0.115	1.15	CT-100A, CT-600-A, CT-1550, CT-1551, CT-2500	100	1000
BSN14-C	16 – 14 AWG	Blue	0.148	1.15	CT-100A, CT-600-A, CT-1550, CT-1551, CT-2500	100	1000
BSN10-L	12 – 10 AWG	Yellow	0.210	1.14	CT-100A, CT-600-A, CT-1550, CT-1551, CT-2500	50	500

\*Not UL Listed.

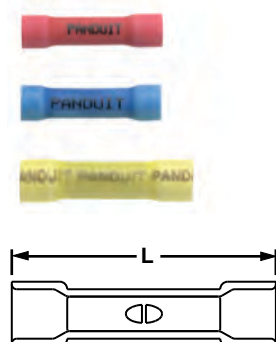
\*\*Bulk packaging may be available, contact Panduit® Customer Service for additional information.  
For crimping tool information see [www.panduit.com/tools](http://www.panduit.com/tools).



## Butt Splice, Vinyl Insulated

### Type BSV

- Expanded wire entry designed to accommodate wire with a larger insulation thickness
- Designed to splice two solid or stranded wires together to repair or lengthen wires
- Brazed seam protects terminal barrel from splitting during the crimp process
- Internal wire stop assures proper length of insertion into terminal barrel
- UL Flammability UL 94V-0, maximum insulation temperature 221°F (105°C)
- UL and CSA rated up to 600 V per UL 486C



Part Number	Wire Range	Color Code	Max. Ins. (In.)	Figure Dimensions (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
				L			
BSV18X-LY	22 – 18 AWG	Red	0.170	1.03	CT-100A, CT-600-A, CT-1550, CT-1551, CT-2500	50	500
BSV14X-L	16 – 14 AWG	Blue	0.200	1.04		50	500
BSV10X-Q	12 – 10 AWG	Yellow	0.250	1.18		25	250

\*\*Bulk packaging may be available, contact Panduit Customer Service for additional information.  
For crimping tool information see [www.panduit.com/tools](http://www.panduit.com/tools).

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