PAN-TERM® SPLICES

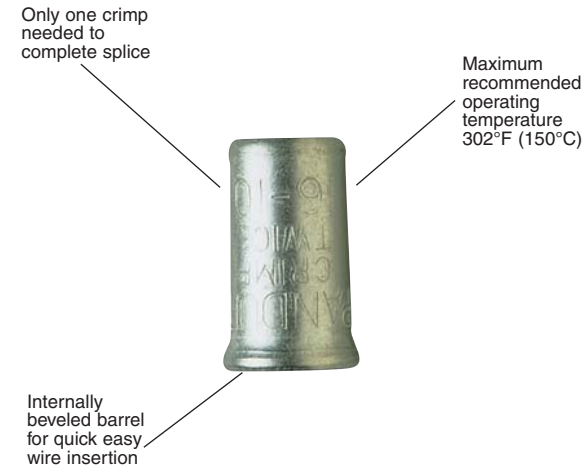
Panduit® Pan-Term® Splices are designed and manufactured for fast assembly, and long reliable performance. As the demand for splices increases, it becomes essential to provide a complete system for termination products. We provide an extensive line of tooling designed specifically to provide optimum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

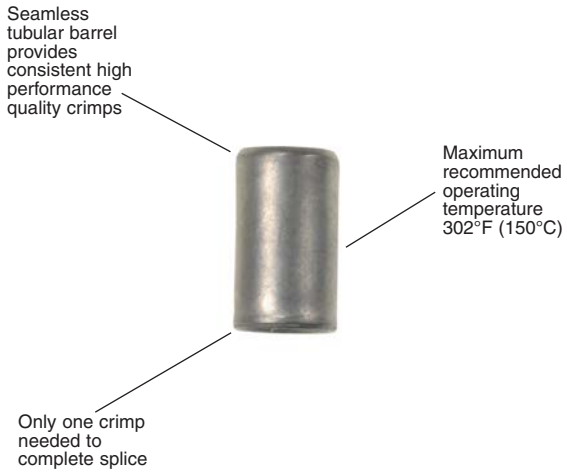
Features and Benefits – Pan-Term® Splices and Wire Joints

Non-Insulated Wire Joints
Type J



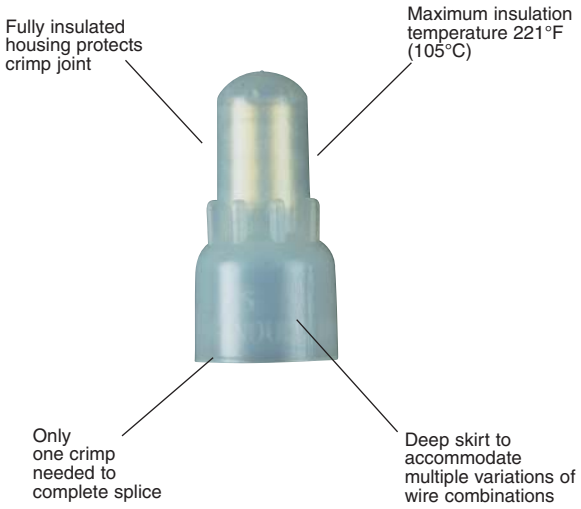
UL and CSA rated up to 2000 V per UL 486C.

Non-Insulated Parallel Splices
Type PS



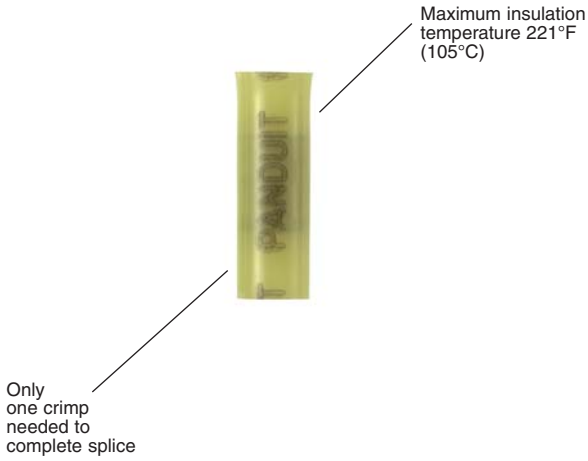
UL and CSA rated up to 2000 V per UL 486C.

Nylon Wire Joints
Type JN



UL and CSA rated up to 600 V per UL 486C.
Metric versions available.
Flammability – UL 94V-2/HB.

Nylon Parallel Splices
Type PSN



Rated up to 300 V.
Flammability – UL 94V-2/HB.

Panduit extensive line of tooling is specifically designed for optimum crimping performance.

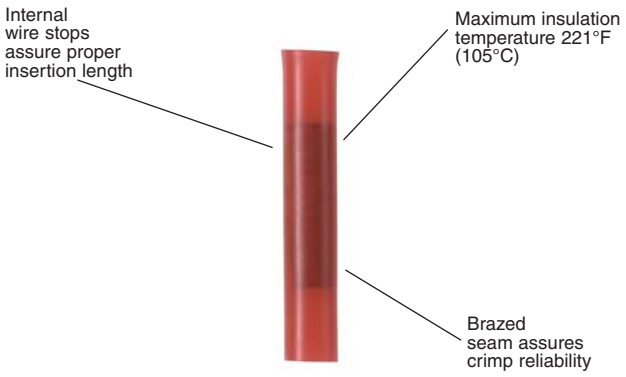
See pages D1.83 – D1.89.

Panduit designs and manufactures a full line of labeling products, software, and printers to assist you with your labeling requirements.

See pages E1.1 – E2.28.

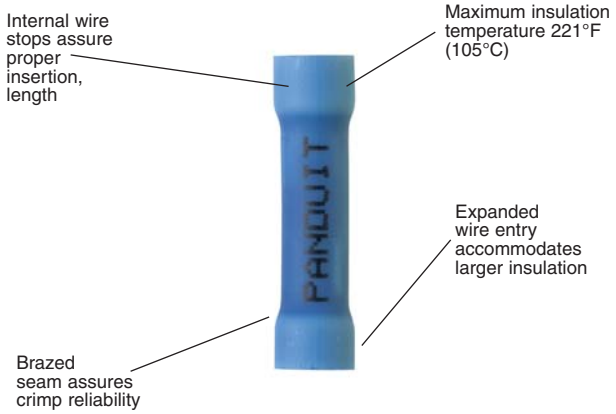
Features and Benefits – Pan-Term® Splices

Nylon Butt Splices
Type BSN



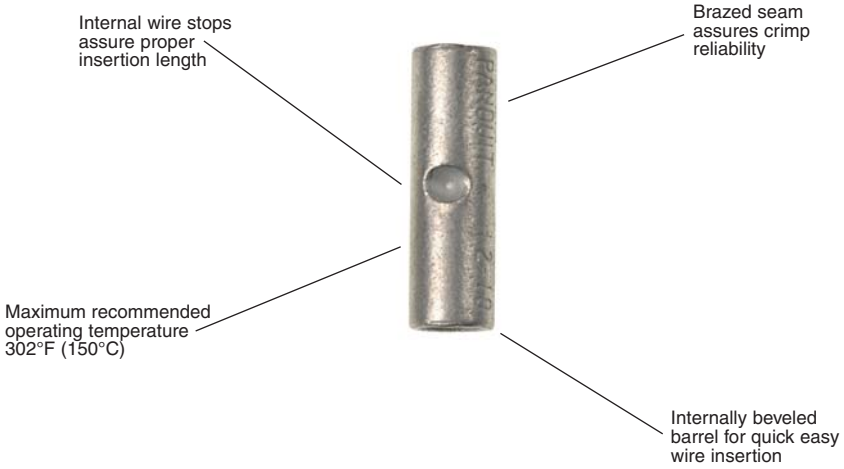
UL and CSA rated up to 600 V per UL 486C.
Flammability – UL 94V-2/HB.

Vinyl Butt Splices
Type BSV

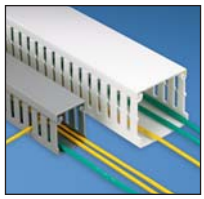


UL and CSA rated up to 600 V per UL 486C.
Flammability – UL 94V-0.
Metric versions available.

Non-Insulated Butt Splices
Type BS



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 – C1.52.

A comprehensive selection of cable ties used to bundle, mount, and identify wire and cable.

See pages B1.1 – B1.120.

Selection Guide – Pan-Term® Splices and Wire Joints

Splices and Wire Joints

Material	Style	Feature	Type	Page Number
Nylon	Butt Splice	Brazed Seam	BSN	D1.65
	Parallel Splice	Seamless Barrel	PSN	D1.66
	Wire Joint	Multiple Wire Connector	JN	D1.67
Vinyl	Butt Splice	Expanded Insulation	BSV	D1.65
Heat Shrink	Butt Splice	Heat Shrink Insulation	BSH	D1.68
Non-Insulated	Butt Splice	Brazed Seam	BS	D1.66
	Parallel Splice	Seamless Barrel	PS	D1.67
	Wire Joint		J	D1.68

Part Number System for Pan-Term® Splices

BS **V** **14** **X** — **M**

Type

BS = Butt Splice
PS = Parallel Splice

Insulation

H = Heat Shrink
N = Nylon
V = Vinyl
= Non-Insulated (leave blank)

Wire Range

22 = #26 – 22
18 = #22 – 18
14 = #16 – 14
13 = #14 – 12
10 = #12 – 10

Special Configuration

X = Expanded Insulation

Standard Package Size

X = 10
Q = 25
L = 50
C = 100
T = 200
D = 500
M = 1000

Part Number System for Pan-Term® Wire Joints

JN **418-212** — **C**

Type

J = Non-Insulated
JN = Nylon-Insulated

Wire Range

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

Standard Package Size

X = 10
Q = 25
L = 50
C = 100
T = 200
D = 500
M = 1000

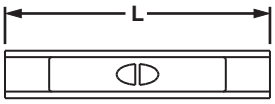
Order number of pieces required, in multiples of Standard Package Quantity.

Prime items appear in **BOLD**.

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 94V-2/HB, maximum insulation temperature 221°F (105°C)
- UL and CSA rated up to 600 V per UL 486C



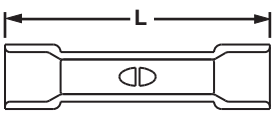
Part Number	Wire Range	Color Code	Max. Ins. (In.)	Figure Dimensions (In.) L	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
BSN22-C*	26 – 22 AWG	Yellow	0.080	0.79	CT-1525, CT-2500	100	1000
BSN18-C	22 – 18 AWG	Red	0.115	1.15	CT-100A, CT-600-A, CT-1550, CT-1551, CT-2500	100	1000
BSN14-C	16 – 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 pages D1.83, D1.84, D1.86 and D1.88.

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.) L	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
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	0.211	1.04		50	500
BSV10X-Q	12 – 10 AWG	Yellow	0.260	1.17		25	250

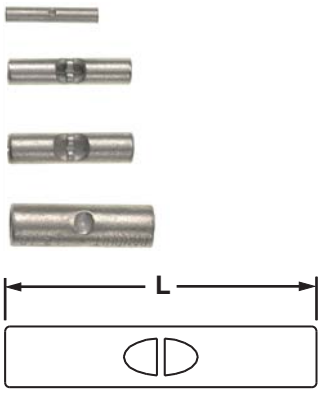
**Bulk packaging may be available, contact Panduit Customer Service for additional information.
For crimping tool information, see pages D1.83, D1.84, D1.86 and D1.88.

Butt Splice, Non-Insulated

LISTED CERTIFIED

Type BS

- 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
- 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



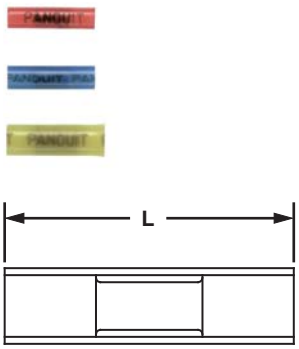
Part Number	Wire Range	Figure Dimensions (In.) L	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
BS22-C*	26 – 22 AWG	0.47	CT-100A	100	1000
BS18-C	22 – 18 AWG	0.62	CT-100A, CT-200, CT-600-A, CT-1570, CT-2500	100	1000
BS14-C	16 – 14 AWG	0.62	CT-100A, CT-200, CT-600-A, CT-1570, CT-2500	100	1000
BS10-L	12 – 10 AWG	0.63	CT-100A, CT-200, CT-600-A, CT-1570, CT-2500, CT-1701‡	50	500

*Not UL 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 pages D1.83, D1.84, D1.86 and D1.88.

Parallel Splice, Nylon Insulated

Type PSN

- 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
- Maximum insulation temperature 221°F (105°C)
- Rated up to 300 V



Part Number	Wire Range	Color Code	Max. Ins. (In.)	Figure Dimensions (In.) L	Wire Strip Length (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
PSN18-C	22 – 18 AWG	Red	0.120	0.75	5/16	CT-100A, CT-1525, CT-2500	100	500
PSN16-C	20 – 16 AWG	Blue	0.150	0.75	5/16		100	500
PSN12-L	14 – 12 AWG	Yellow	0.210	0.83	7/16	CT-100A	50	500

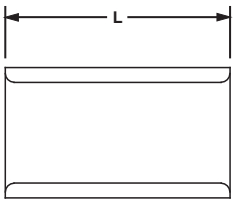
**Bulk packaging may be available, contact Panduit Customer Service for additional information.
For crimping tool information, see pages D1.83, D1.84, and D1.88.

Parallel Splice, Non-Insulated

LISTED CERTIFIED

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.) L	Wire Strip Length (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
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

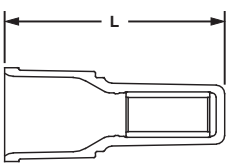
**Bulk packaging may be available, contact Panduit Customer Service for additional information.
For crimping tool information, see page D1.83.

Wire Joint, Nylon Insulated

LISTED CERTIFIED

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 94V-2/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 Min.	CMA Range Max.	Figure Dimensions (In.) L	Wire Strip Length (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
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

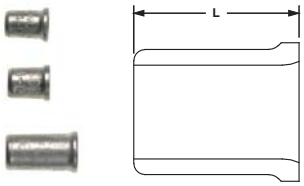
*Not UL Listed.
**Bulk packaging may be available, contact Panduit Customer Service for additional information.
‡UL and CSA approved tooling/product combinations. For crimping tool information, see pages D1.83, D1.84, and D1.88.
Note: Wire combinations using #24 AWG wire are not UL Listed or CSA Certified.

Wire Joint, Non-Insulated

LISTED CERTIFIED

Type J

- Large barrel, designed to accommodate from one to seven wires with just one crimp
- Accommodates multiple wire sizes in varying combinations
- Non-insulated barrel can be used to provide an economical termination when insulation is not required
- Barrel of terminal internally beveled to provide quick and easy wire insertion
- Maximum recommended operating temperature 302°F (150°C)
- UL and CSA rated up to 2000 V per UL 486C



Part Number	Wire Range	CMA Range Min.	CMA Range Max.	Figure Dimensions (In.) L	Wire Strip Length (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
J214-312-T	(2) #14 – (3) #12	5760	19590	0.37	1/2	CT-100A‡, CT-200‡	200	2000
J318-412-T	(3) #18 – (4) #12	4860	27330	0.37	1/2	CT-100A‡, CT-200‡	200	2000
J216-410-L*	(2) #16 – (4) #10	5160	41600	0.62	3/4	CT-100A‡, CT-200‡	50	500

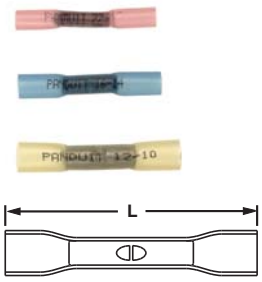
*Part number J216-410, is not UL Listed or CSA Certified.
**Bulk packaging may be available, contact Panduit Customer Service for additional information.
‡UL and CSA approved tooling/product combinations. For crimping tool information, see page D1.83.

Heat Shrink, Butt Splices

LISTED CERTIFIED

Type BSH

- Designed to splice two solid or stranded wires together to repair or lengthen wires
- Butted configuration provides low profile for limited space applications
- Heat shrink polyolefin sleeve with hot melt adhesive protects against moisture
- After crimping, heat shrink insulation is completed with a standard heat gun
- Minimum continuous operating temperature -65°F (-55°C)
- Maximum continuous operation temperature 230°F (110°C)
- Shrink temperature 300°F (150°C)
- UL and CSA rated up to 600 V per UL 486C



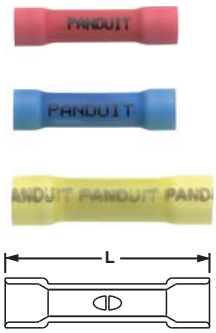
Part Number	Wire Range	Color Code	Max. Ins. (In.)	Figure Dimensions (In.) L	Wire Strip Length (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
BSH18-Q	22 – 18 AWG	Red	0.170	1.45	5/16	CT-310	25	125
BSH14-Q	16 – 14 AWG	Blue	0.190	1.45	5/16	CT-310	25	125
BSH10-E	12 – 10 AWG	Yellow	0.240	1.64	5/16	CT-310	20	100

**Bulk packaging may be available, contact Panduit Customer Service for additional information.
For crimping tool information, see page D1.85.

Metric Butt Splice, Vinyl Insulated

Type BSMV

- 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
- Maximum insulation temperature 221°F (105°C)
- Rated up to 600 V



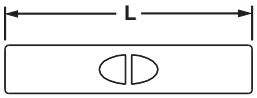
Part Number	Wire Range (mm^2)	Color Code	Max Ins. (mm)	Figure Dimensions (mm) L	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
BSMV1BX-LY^	0.5 – 1.0	Red	4.3	26.4	CT-1551	50	500
BSMV2BX-L^	1.5 – 2.5	Blue	5.1	26.4	CT-1551	50	500
BSMV6X-Q*	4.0 – 6.0	Yellow	6.4	30.0	CT-1551	25	250

*Brazed seam.
**Bulk packaging may be available, contact Panduit Customer Service for additional information.
^Butted seam.
For crimping tool information, see page D1.84.

Metric Butt Splice, Non-Insulated

Type BSM

- 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
- Non-insulated barrel can be used to provide an economical termination when insulation is not required
- Maximum recommended operating temperature 302°F (150°C)
- Rated up to 2000 V



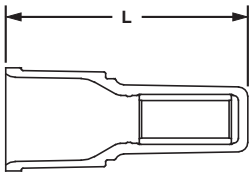
Part Number	Wire Range (mm^2)	Figure Dimensions (mm) L	Recommended Installation Tool	Std. Pkg. Qty.	Std. Ctn. Qty.
BSM1-C	0.5 – 1.0	15.7	CT-1570, CT-2500	100	500
BSM2-C	1.5 – 2.5	15.7		100	500
BSM6-L	4.0 – 6.0	18.2		50	250

For crimping tool information, see pages D1.84 and D1.88.

Metric Wire Joints, Nylon Insulated

Type JMN

- 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
- Maximum insulation temperature 221°F (105°C)
- Rated up to 600 V



Part Number	Wire Range (mm^2)	Color Code	CMA Range Min.	CMA Range Max.	Figure Dimensions (mm) L	Recommended Installation Tool	Std. Pkg. Qty.	Std. Ctn. Qty.
JMN2-C	0.5 – 2.5	Clear	1284	5160	19.9	CT-1551	100	500
JMN6-C	0.75 – 6.0	Clear	6480	14750	23.9	CT-1551	100	500

For crimping tool information, see page D1.84.