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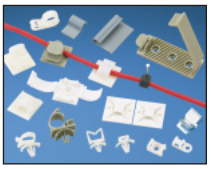

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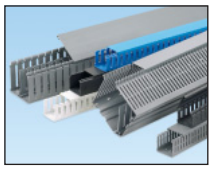

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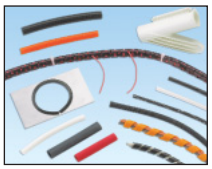

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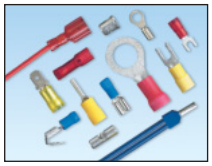

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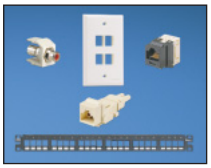

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Contractor Solutions

for Electrical and Networking Installation

PANDUIT is committed to developing innovative solutions that meet the needs of your electrical and networking installations. As a global leader in wiring and communications solutions, PANDUIT provides everything you need to bundle, route, protect, terminate and identify electrical and network cabling. PANDUIT solutions are backed by the highest quality and service levels in the industry. Specialized contractor programs further support your business needs and project requirements.

Solutions

- ***PANDUIT* solutions improve your productivity and reliability, lower installed cost, and create a safer working environment**
- **Continuous investment and development of new products delivers solutions for your most demanding applications and environments**

Service

- ***PANDUIT* contractor specialists and the largest direct sales force in the market provide comprehensive, expert support on the job site or factory floor**
- **World-class customer service and product availability keep your projects on time and within budget**
- **Extensive website with product specifications, installation guides, part drawings and more to make your job easier**

Programs

- **The Contractor Loyalty Incentive Program (CLIP) provides annual training and incentives for contractors specifying *PANDUIT*****
- **The Tooling Partnership Program provides contractors low-cost or no-cost tooling through commitment to *PANDUIT* product purchases***

*For complete program details, go to www.panduit.com or contact Customer Service at 800-777-3300. All programs and benefits subject to terms and conditions.

Cable Ties

DOME-TOP® Barb Ty Cable Ties

- Dome-top head features unique patented design with round, smooth edges
- Stainless steel locking barb provides consistent performance, reliability and infinite adjustability through entire bundle range
- High strength and low thread force

c US c UL US LISTED

Part Number Nylon 6.6	Part Number Weather Resistant	Length (In.)	Max. Bundle Dia. (In.)	Min. Loop Tensile Strength (Lbs.)	Tool	Pkg. Qty.
BT1M-C	BT1M-C0	4.0	.90	18	GTS, GTSL, GS2B, PTS, PPTS, STS2	100
BT1M-M	BT1M-M0	4.0	.90	18		1000
BT1.5M-C	BT1.5M-C0	6.3	1.50	18		100
BT2M-C	BT2M-C0	7.9	2.00	18		100
BT4M-C	BT4M-C0	14.2	4.00	18		100
BT1.5I-C	BT1.5I-C0	6.1	1.50	40		100
BT1.5I-M	BT1.5I-M0	6.1	1.50	40		1000
BT2I-C	BT2I-C0	8.0	2.00	40		100
BT3I-C	BT3I-C0	11.3	3.00	40		100
BT4I-C	BT4I-C0	14.3	4.00	40		100
BT2S-C	BT2S-C0	8.0	2.00	50	GTS, GTSL, GS2B, GTH, GS4H, PTS, PTH, PPTS, STS2, STH2	100
BT2S-M	BT2S-M0	8.0	2.00	50		1000
BT3S-C	BT3S-C0	12.0	3.00	50		100
BT4S-C	BT4S-C0	15.1	4.00	50		100
BT4S-M	BT4S-M0	15.1	4.00	50		1000
BT2LH-L	BT2LH-L0	8.7	2.00	120	GTH, GS4H, GS4EH, PTH, STH2, ST3EH	50
BT3LH-L	BT3LH-L0	11.8	3.00	120		50
BT4LH-L	BT4LH-L0	14.9	4.00	120		50
BT6LH-L	BT6LH-L0	21.2	6.00	120		50
BT7LH-L	BT7LH-L0	24.4	7.00	120		50
BT8LH-L	BT8LH-L0	27.5	8.00	120		50
BT9LH-L	BT9LH-L0	30.7	9.00	120		50

Parts available in other materials and colors.
UL Listing excludes Light-Heavy cross section ties in weather resistant material.

PANDUIT®

DOME-TOP® Barb Ty Clamp Ties

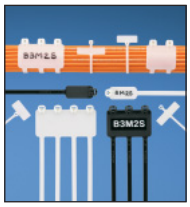
- Used to secure a cable bundle to another surface such as a control panel, communications rack, wall or ceiling
- Design allows for bundling before or after screwing clamp in place
- Stainless steel locking barb provides consistent performance, reliability and infinite adjustability through entire bundle range

Part Number	Length (In.)	Max. Bundle Dia. (In.)	Min. Loop Tensile Strength (Lbs.)	Screw Size	Tool	Pkg. Qty.
BC2S-S10-C	8.5	2.00	50	#10	GTS, GTSL, GS2B, GTH, GS4H, PTS, PTH, PPTS, STS2, STH2	100
BC3S-S10-D	12.5	3.00				500
BC4S-S10-C	15.6	4.00				100
BC4LH-S25-L	15.5	4.00	120	1/4	GTH, GS4H, GS4EH, PTH, STH2, ST3EH	50

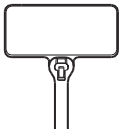
Parts available in weather resistant material that has greater resistance to damage caused by ultraviolet light.

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

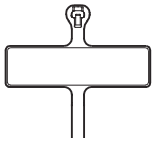
DOME-TOP® Barb Ty Marker & Flag Ties



- Used to fasten and identify bundles at the same time
- Stainless steel locking barb provides consistent performance, reliability and infinite adjustability through entire bundle range
- Can be marked with *PANDUIT* Marker Pens, Computer Printable Labels or custom imprinted with *PANDUIT* Custom Hot Stamping Service



BF1M/BF2M



BM1M

c UL us

Part Number	Length (In.)	Max. Bundle Dia. (In.)	Min. Loop Tensile Strength (Lbs.)	Write-On Area (In.)	Tool	Std. Pkg. Qty.
Flag Style						
BF1M-C	4.6	.90	18	.36 x .81	GTS, GTSL, GS2B, PTS, PPTS, STS2	100
BF2M-C	8.3	2.00	18			100
Wrap Style						
BM1M-C	4.2	.90	18	.29 x 1.09	GTS, GTSL, GS2B, PTS, PPTS, STS2	100

PANDUIT®

PAN-TY® Cable Ties

- Versatile cable ties can be used in countless applications
- One-piece construction for consistent performance and reliability
- Lowest threading force of any one-piece cable tie in the industry

Part Number Nylon 6.6	Part Number Weather Resistant	Length (In.)	Max. Bundle Dia. (In.)	Min. Loop Tensile Strength (Lbs.)	Tool	Pkg. Qty.
PLT1M-C	PLT1M-C0	3.9	.87	18	GTS, GTSL, GS2B, PTS, PPTS, STS2	100
PLT1M-M	PLT1M-M0	3.9	.87	18		1000
PLT1.5M-C	PLT1.5M-C0	5.6	1.25	18		100
PLT2M-C	PLT2M-C0	8.0	2.00	18		100
PLT1.5I-C	PLT1.5I-C0	5.6	1.38	40		100
PLT1.5I-M	PLT1.5I-M0	5.6	1.38	40		1000
PLT2I-C	PLT2I-C0	8.0	2.00	40		100
PLT2.5I-C	PLT2.5I-C0	9.7	2.50	40		100
PLT3I-C	PLT3I-C0	11.4	3.00	40		100
PLT4I-C	PLT4I-C0	14.5	4.00	40		100
PLT1S-C	PLT1S-C0	4.8	1.00	50	GTS, GTSL, GS2B, GTH, GS4H, PTS, PPTS, PTH, STS2, STH2	100
PLT1.5S-C	PLT1.5S-C0	6.2	1.50	50		100
PLT2S-C	PLT2S-C0	7.4	1.88	50		100
PLT2S-M	PLT2S-M0	7.4	1.88	50		1000
PLT2.5S-C	PLT2.5S-C0	9.8	2.50	50		100
PLT3S-C	PLT3S-C0	11.5	3.00	50		100
PLT3S-M	PLT3S-M0	11.5	3.00	50		1000
PLT4S-C	PLT4S-C0	14.5	4.00	50		100
PLT4S-M	PLT4S-M0	14.5	4.00	50		1000
PLT4.5S-C	PLT4.5S-C0	15.5	4.50	50		100
PLT5S-C	PLT5S-C0	17.5	5.00	50		100

Parts available in other materials and colors.

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

PAN-TY® Cable Ties (continued)

Part Number Nylon 6.6	Part Number Weather Resistant	Length (In.)	Max. Bundle Dia. (In.)	Min. Loop Tensile Strength (Lbs.)	Tool	Pkg. Qty.
PLT6LH-L	**PLT6LH-L0**	21.9	6.00	120	GTH, GS4H, GS4EH, PTH, STH2, ST3EH	50
PLT7LH-L	**PLT7LH-L0**	24.7	7.00	120		50
PLT8LH-L	**PLT8LH-L0**	27.6	8.00	120		50
PLT9LH-L	**PLT9LH-L0**	30.5	9.00	120		50
PLT10LH-L	**PLT10LH-L0**	34.3	10.31	120		50
PLT2H-L	**PLT2H-L0**	8.1	2.00	120		50
PLT2.5H-L*	**PLT2.5H-L0**	9.8	2.50	120		50
PLT3H-L*	**PLT3H-L0**	11.4	3.00	120		50
PLT4H-L*	**PLT4H-L0**	14.5	4.00	120		50
PLT5H-L*	**PLT5H-L0**	17.7	5.00	175		50
PLT6H-L*	**PLT6H-L0**	20.9	6.00	175		50
PLT8H-L*	**PLT8H-L0**	30.6	9.00	175		50
PLT13H-C*	**PLT13H-C0**	43.3	13.00	175		100
PLT5EH-Q	**PLT5EH-Q0**	20.1	5.00	250	GS4EH, ST3EH	25
PLT6EH-Q	**PLT6EH-Q0**	22.2	6.00	250		25
PLT8EH-C	**PLT8EH-C0**	28.3	8.00	250		100

UL Listing excludes PLT5H thru PLT8EH parts in **natural** material.
UL Listing excludes Light-Heavy thru Heavy cross section ties in **weather resistant** material.
UR Listing excludes Light-Heavy thru Heavy cross section ties in **natural and weather resistant** material.

*Meets the requirements of UL181B-C, for use with UL non-metallic air ducts and air connectors.

Parts available in other materials and colors.

PAN-TY® Cable Ties – TEFZEL■

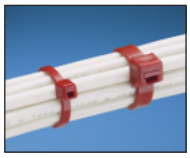
- TEFZEL is ideal for applications requiring resistance to environmental stresses such as chemical attack, gamma radiation, ultraviolet radiation and extreme temperatures, up to 338°F
- Ideal for use in nuclear power facilities and chemical processing plants
- Low smoke density and excellent flammability rating of UL94V-0

Part Number	Length (In.)	Max. Bundle Dia. (In.)	Min. Loop Tensile Strength (Lbs.)	Tool	Std. Pkg. Qty.
PLT1M-C76	4.0	.87	18	GTS, GTSL, GS2B, PTS, PPTS, STS2	100
PLT2I-C76	8.0	2.00	25		100
PLT2S-C76	7.4	1.88	50	GTS, GTSL, GS2B, GTH, GS4H, PTS, PTH, PPTS, STS2, STH2	100
PLT3S-C76	11.6	3.00	50		100
PLT4S-C76	14.6	4.00	50		100
PLT3H-L76	11.5	3.00	120	GTH, GS4H, GS4EH, PTH, STH2, ST3EH	50
PLT4H-L76	14.6	4.00	120		50

■TEFZEL is a registered trademark of E.I. du Pont de Nemours and Company.

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

PAN-TY® Cable Ties – HALAR▲



- UL Listed for use in Plenum or Air Handling Spaces per NEC, Section 300-22 (C) and (D)
- Low smoke density and excellent flammability rating of UL94V-0
- Commonly accepted solution for bundling qualified cable without conduit in air handling space applications

Part Number	Length (In.)	Max. Bundle Dia. (In.)	Min. Loop Tensile Strength (Lbs.)	Tool	Std. Pkg. Qty.
PLT1M-C702Y	4.0	.87	18	GTS, GTSL, GS2B, PTS, PPTS, STS2	100
PLT2S-C702Y	7.4	1.88	50	GTS, GTSL, GS2B, GTH, GS4H, PTS, PTH, PPTS, STS2, STH2	100
PLT3S-C702Y	11.6	3.00	50		100

▲HALAR is the registered trademark of Solvay Solexis, Inc.

NEW! *PAN-TY*® Cable Ties – Polyetheretherketone (PEEK)

- High temperature material up to 500°F
- Flammability rating of UL94V-0 with low smoke and toxicity, and resistant to a wide variety of chemicals and gamma radiation
- High loop tensile strength

Part Number	Length (In.)	Max. Bundle Diameter (In.)	Min. Loop Tensile Strength (Lbs.)	Tool	Std. Pkg. Qty.
PLT2S-M71	7.4	1.88	150	GTS, GTSL, GS2B, GTH, GS4H, PTS, PPTS, STS2, STH2	1000

PANDUIT®

PAN-TY® Clamp Ties

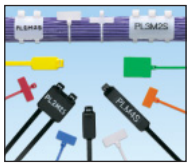
- Used to secure a cable bundle to another surface such as a control panel, communications rack, wall or ceiling
- Design allows for bundling before or after screwing clamp in place
- One-piece construction for consistent performance and reliability

Part Number	Length (In.)	Max. Bundle Dia. (In.)	Min. Loop Tensile Strength (Lbs.)	Screw Size	Tool	Std. Pkg. Qty.
PLC1M-S4-C	4.3	.75	18	#4	GTS, GTSL, GS2B, PTS, PPTS, STS2	100
PLC1.5I-S8-C	6.1	1.25	40	#8		100
PLC2S-S6-C	7.9	1.84	50	#6	GTS, GTSL, GS2B, GTH, GS4H, PTS, PTH, PPTS, STS2, STH2	100
PLC2S-S10-C	7.9	1.84	50	#10		100
PLC3S-S10-C	12.0	3.00	50	#10		100
PLC4S-S10-C	15.0	4.00	50	#10		100
PLC2H-S25-L	9.0	2.00	120	1/4	GTH, GS4H, GS4EH, PTH, STH2, ST3EH	50
PLC4H-S25-L	15.1	4.00	120	1/4		50

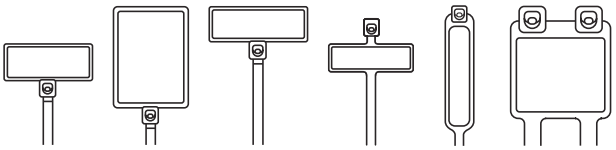
Parts also available in weather resistant material that has greater resistance to damage caused by ultraviolet light.

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

PAN-TY® Marker & Flag Ties



- Used to fasten and identify bundles at the same time
- One-piece construction for consistent performance and reliability
- Can be marked with *PANDUIT* Marker Pens, Computer Printable Labels or custom imprinted with *PANDUIT* Custom Hot Stamping Service



PLF1M PLF1MA PLF1MB PLM1M PLM2M PLM2S PLM4S PL2M2S

Part Number	Length (In.)	Max. Bundle Diameter (In.)	Min. Loop Tensile Strength (Lbs.)	Write-On Area (In.)	Tool	Std. Pkg. Qty.
Flag Style						
PLF1M-C	4.3	.87	18	.31 x .75	GTS, GTSL, GS2B, PTS, PPTS, STS2	100
PLF1MA-C	5.1	.87	18	.76 x 1.04		100
PLF1MB-C	4.0	.75	18	.31 x .92		100
Wrap Style						
PLM1M-C	3.9	.75	18	.26 x .95	GTS, GTSL, GS2B, PTS, PPTS, STS2	100
PLM2M-C	8.0	2.00	18	.26 x .95		100
PLM2S-C	7.4	1.75	50	.44 x .87	GTS, GTSL, GS2B, GTH, GS4H, PTS, PTH, PPTS, STS2, STH2	100
PLM4S-C	14.6	4.00	50	.44 x 2.00		100
PL2M2S-L	7.4	1.75	50	.87 x 1.07		50
PL3M2S-L	7.4	1.75	50	.87 x 1.79		50

PANDUIT®

NEW! SUPER-GRIP™ Cable Ties

- Excellent tensile strength, flexibility and superior bundle tightness
- Strong locking wedge and flared neck enable the tie to withstand rough installation practices that occur in MRO and construction environments
- Resist lateral movement on the bundle because they are more flexible and can be installed tighter

Part Number Nylon 6.6	Part Number Weather Resistant	Length (In.)	Max. Bundle Diameter (In.)	Min. Loop Tensile Strength (Lbs.)	Tool	Std. Pkg. Qty.
SG100M-C	SG100M-C0	4.2	1.00	18	GTS, GTSL, GS2B, PTS, PPTS, STS2	100
SG150I-C	SG150I-C0	6.2	1.50	40		100
SG200S-C	SG200S-C0	8.3	2.00	50	GTS, GTSL, GS2B, GTH, GS4H, PTS, PTH, PPTS, STS2, STH2	100
SG300S-C	SG300S-C0	12.4	3.20	70		100
SG370S-C	SG370S-C0	15.3	4.20	70		100
SG350LH-L	SG350LH-L0	15.3	4.13	120	GTH, GS4H, GS4EH, PTH, STH2, ST3EH	50
SG450H-L	SG450H-L0	18.6	5.20	175		50

See SUPER-GRIP™ Cable Tie Mounts on page A2.3 – A2.4.

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

NEW! *HYPER-V*™ Cable Ties

PATENT PENDING

- Low installation threading force allows quick and easy installation
- Teeth on both sides of cable tie body enable tie to conform to irregular bundle shapes while maintaining loop tensile strength
- In-line tie design for parallel-entry of tie into head; results in a lower profile on cable bundles
- Head design with waiting position allows temporary positioning of tie prior to final locking; no need to replace ties when adding more cables to bundle

Part Number	Length (In.)	Max. Bundle Diameter (In.)	Min. Loop Tensile Strength (Lbs.)	Tool	Std. Pkg. Qty.
HV965-C0	10.4	2.60	160	GTH, GS4H, GS4EH, PTH, STH2, ST3EH	100
HV9100-C0	14.4	3.90	160		100
HV9150-C0	20.7	5.90	160		100
HV9250-C0	33.1	9.80	160		100

See *HYPER-V*™ Cable Tie Mounts on page A2.5.

DURA-TY™ Cable Ties

- Ideal for securing cables in outdoor messenger strand applications and vertical ladder racks
- Excellent ultraviolet, chemical and moisture resistance
- Acetal material and double stainless steel locking barbs; high tensile strength and high impact resistance

Part Number	Length (In.)	Max. Bundle Diameter (In.)	Min. Loop Tensile Strength (Lbs.)	Tool	Std. Pkg. Qty.
Extra-Heavy Cross Section					
DT4EH-L0	13.5	3.88	250	GTH, GS4EH, ST3EH	50
DT8EH-Q0	27.0	8.00	250		25

Meets Telcordia TR-TSY-000789.

Part Number	Part Description	Tool	Std. Pkg. Qty.
Strapping, Heads and Kit – allows user to customize strap length			
DTREH-LR0	50' reel of strapping.	GTH, GS4EH, ST3EH	1
DTHEH-Q0	Bag of 25 cable tie heads.	—	25
DTKEH-0	Kit containing 50' reel of strapping and 25 cable tie heads.	GTH, GS4EH, ST3EH	1

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

TAK-TY® Hook & Loop Cable Ties

- Wide selection of sizes, styles and colors
- Adjustable, releasable and reusable hundreds of times
- Hook and loop material maintains network data integrity by protecting against over-tensioning, unraveling and delamination

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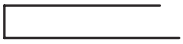
HLTP/HLSP

Note: Minimum 2" overlap required to achieve loop tensile rating

HLT/HLTP



HLS/HLSP/HLM

Part Number	Length (In.)	Width (In.)	Max. Bundle Dia. (In.)	Min. Loop Tensile Strength (Lbs.)	Std. Pkg. Qty.
Loop Ties – Slot allows for pre-wrapping of bundles					
HLT2I-X0	8.0	.500	1.91	40	10
HLT3I-X0	12.0	.500	3.18	40	10
UL Listed Loop Ties (Maroon) for plenum applications*					
HLTP2I-X12	8.0	.500	1.91	40	10
HLTP3I-X12	12.0	.500	3.18	40	10
Strip Ties – Perforated in convenient 6", 12", and 18" strips					
HLS1.5S-X0	6.0	.750	1.50	50	10
HLS3S-X0	12.0	.750	3.20	50	10
HLS5S-X0	18.0	.750	5.00	50	10
UL Listed Strip Ties (Maroon) for plenum applications*					
HLSP1.5S-X12	6.0	.750	1.50	50	10
HLSP3S-X12	12.0	.750	3.20	50	10
HLSP5S-X12	18.0	.750	5.00	50	10
15' and 75' Continuous Rolls – Can be cut to desired length, eliminating waste					
HLM-15R0	180.0	.330	Various	18	1
HLS-15R0	180.0	.750	Various	50	1
HLS-75R0	900.0	.750	Various	50	1

*Also available in Black (-X0), which has an 18 lb. (80N) minimum loop tensile strength.

TAK-TAPE™ Hook & Loop Strips

- Hook and loop fastener for general purpose bundling; thin and flexible, adjustable, releasable and reusable
- Large continuous roll you can cut to size – *PANDUIT* cutter included with TTS-35RX0
- Handy, reusable plastic case with TTS-20R0, keeps material clean

Note: Minimum 2" overlap required to achieve loop tensile rating

Part Number	Length (ft)	Width (In.)	Max. Bundle Dia. (In.)	Min. Loop Tensile Strength (Lbs.)	Std. Pkg. Qty.
TTS-20R0	20	.750	Various	40	1
TTS-35RX0	35	.750	Various	40	1

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

ULTRA-CINCH™ Hook & Loop Ties

- Material has hooks and loops on same side to secure a greater range of bundle diameters, including smaller bundles; adjustable, releasable and reusable hundreds of times
- Low profile, contoured cinch ring reduces overall bundle size
- Brass grommet (UGCTC and UGCTE styles) assures reliable installations with a strong metal grommet that resists pullout – *PANDUIT* recommends flat-head screws for use in grommet applications

Note: Minimum 2" overlap required to achieve loop tensile rating

Part Number	Length (In.)	Width (In.)	Max. Bundle Diameter (In.)	Min. Loop Tensile Strength (Lbs.)	Std. Pkg. Qty.
Cinch Ties					
UCT3S-X0	12.0	.850	3.00	50	10
UCT5S-X0	18.0	.850	5.00	50	10
Center Mount Grommet* – Bundle centered over mounting point					
UGCTC3S-X0	12.0	.850	3.00	50	10
UGCTC5S-X0	18.0	.850	5.00	50	10
End Mount Grommet* – Bundle offset from mounting point					
UGCTE3S-X0	12.0	.850	3.00	50	10
UGCTE5S-X0	18.7	.850	5.00	50	10

*1/4" (6mm) diameter mounting hole on Grommet Style Cinch Ties.

Cable Tie Tools

Tool Controlled Tension and Cut-Off Tools

- Tool controlled tension provides flush cut-off and speeds installation
- Lightweight and balanced
- Easy to change tension adjustment, and easy to operate

Part Number	Part Description	Std. Pkg. Qty.
GTS	Ergonomic design; installs Subminiature, Miniature, Intermediate and Standard cross section cable ties, 9.8 oz.; black trigger handle.	1
GTH	Ergonomic design; installs Standard, Heavy-Standard, Light-Heavy and Heavy cross section cable ties, 11.2 oz.; red trigger handle.	1
GS4EH	Metal Tool; installs Light-Heavy, Heavy and Extra-Heavy cross section cable ties, 16 oz.; blue trigger handle.	1

Installer Controlled Tension and Cut-Off Tools

- Economical series of tools for maintenance or construction applications
- Excellent tools for low volume applications

Part Number	Part Description	Std. Pkg. Qty.
STS2	Installs Miniature, Intermediate and Standard cross section cable ties, Black, 2.5 oz.; top-loading feature for right or left-handed users.	1
STH2	Installs Standard, Heavy-Standard, Light-Heavy and Heavy cross section cable ties, Red, 2.5 oz.; top-loading feature for right or left-handed users.	1
STHV	Installs Light-Heavy and Heavy cross section cable ties, Yellow, 12 oz.; durable all steel construction, “Travel stop” helps prevent pinched fingers.	1
ST3EH	Installs Light-Heavy, Heavy and Extra-Heavy cross section cable ties, Blue handles, 9.0 oz.; durable all steel construction.	1

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

Cable Accessories

4-Way Adhesive Backed Cable Tie Mounts

- A wide variety of mounts used with cable ties to speed and simplify the mounting of wire and cable
- Mounts produced in multiples on a strip for easy release from the liner

Part Number	Used with Cable Ties‡	Material	Maximum Static Load (Lbs.)	Std. Pkg. Qty.
ABM1M-A-C	M	Nylon 6.6	.13	100
ABM1M-AT-C	M	Nylon 6.6	.13	100
ABMM-A-C	M, I	ABS	.30	100
ABMM-AT-C	M, I	ABS	.30	100
ABMM-AT-C0	M, I	Weather Resistant ABS	.30	100
ABM2S-A-C	M, I, S	ABS	.50	100
ABM2S-AT-C	M, I, S	ABS	.50	100
ABM2S-AT-C0	M, I, S	Weather Resistant ABS	.50	100
ABM3H-A-L	M, I, S, HS, LH, H and HLM	Nylon 6.6	1.13	50
ABM3H-AT-L	M, I, S, HS, LH, H and HLM	Nylon 6.6	1.12	50
ABM4H-A-L	M, I, S, HS, LH, H and HLM	Nylon 6.6	2.00	50
ABM100-A-C	M, I, S	Nylon 6.6	.50	100
ABM100-AT-C	M, I, S	Nylon 6.6	.50	100
ABM100-AT-C0	M, I, S	Weather Resistant Nylon 6.6	.50	100
ABM112-A-C	M, I, S	Nylon 6.6	.63	100
ABM112-AT-C0	M, I, S	Weather Resistant Nylon 6.6	.63	100

‡Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, HS = Heavy-Standard, LH = Light-Heavy, H = Heavy, HLM = Miniature *TAK-TY*® Hook & Loop Cable Ties.

Cable Tie Mounts

- Unique cradle design provides maximum stability for the cable bundle
- Low profile design keeps bundle close to mounting surface
- For indoor use only

Item	Used with Cable Ties‡	Mounting Method	Material	Std. Pkg. Qty.
TM1S4-C	M	#4 (M2.5) Screw	Nylon 6.6	100
TM2S6-C	M, I, S	#6 (M3) Screw	Nylon 6.6	100
TM2S8-C	M, I, S	#8 (M4) Screw	Nylon 6.6	100
TM3S8-C	M, I, S, LH	#8 (M4) Screw	Nylon 6.6	100
TMEH-S10-C100	M, I, S, HS, LH, H, EH, HLM, HLT	#10 (M5) Screw	Weather Resistant Polypropylene	100

‡Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, HS = Heavy-Standard, LH = Light-Heavy, H = Heavy, HLM = Miniature *TAK-TY®* Hook & Loop Cable Ties and HLT = *TAK-TY®* Hook & Loop Cable Ties.

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

SUPER-GRIP™ Mounts

- Low profile design keeps bundle close to mounting surface
- Small overall size allows use where space is limited

Part Number	Used with Cable Ties‡	Mounting Method	Material	Std. Pkg. Qty.
Adhesive Backed Mounts				
SGABM20-A-C	SGM, SGI	Rubber Based Adhesive	Nylon 6.6	100
SGABM20-AT-C0	SGM, SGI	Acrylic Based Adhesive	Weather Resistant Nylon 6.6	100
SGABM25-A-C	SGM, SGI, SGS	Rubber Based Adhesive or #6 (M3) Screw	Nylon 6.6	100
SGABM25-AT-C0	SGM, SGI, SGS	Acrylic Based Adhesive or #6 (M3) Screw	Weather Resistant Nylon 6.6	100
SGABM25-S6-C	SGM, SGI, SGS	#6 (M3) Screw	Nylon 6.6	100
SGABM25-S6-C0	SGM, SGI, SGS	#6 (M3) Screw	Weather Resistant Nylon 6.6	100
SGABM30-A-C	SGM, SGI, SGS	Rubber Based Adhesive	Nylon 6.6	100
SGABM30-AT-C0	SGM, SGI, SGS	Acrylic Based Adhesive	Weather Resistant Nylon 6.6	100
SGABM40-A-L	SGM, SGI, SGS, SGLH, SGH	Rubber Based Adhesive	Nylon 6.6	50
SGABM40-AT-L0	SGM, SGI, SGS, SGLH, SGH	Acrylic Based Adhesive	Weather Resistant Nylon 6.6	50
SGABM50-A-L	SGM, SGI, SGS, SGLH, SGH	Rubber Based Adhesive	Nylon 6.6	50
SGABM50-AT-L0	SGM, SGI, SGS, SGLH, SGH	Acrylic Based Adhesive	Weather Resistant Nylon 6.6	50
Screw Applied Tie Anchor Mounts				
SGTA1S8-C	SGM, SGI, SGS	#8 (M4) Screw	Nylon 6.6	100
SGTA1S8-C0	SGM, SGI, SGS	#8 (M4) Screw	Weather Resistant Nylon 6.6	100

‡Cable Tie Cross Section Sizes: SGM = *SUPER-GRIP*™ Miniature, SGI = *SUPER-GRIP*™ Intermediate, SGS = *SUPER-GRIP*™ Standard, SGLH = *SUPER-GRIP*™ Light Heavy, SGH = *SUPER-GRIP*™ Heavy.
See *SUPER-GRIP*™ Cable Ties on page A1.10.

Super-Grip™ Mounts (continued)

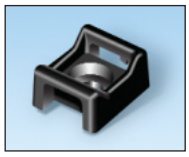
Part Number	Used with Cable Ties‡	Mounting Method	Material	Std. Pkg. Qty.
Masonry Push Mounts				
SGMPMH38-L0	SGM, SGI, SGS, SGLH, SGH	Tree Barb	Impact Modified Weather Resistant Nylon 6.6	50
SGMPMS19-C0	SGM, SGI, SGS	Tree Barb	Impact Modified Weather Resistant Nylon 6.6	100
SGMPMS25-C0	SGM, SGI, SGS	Tree Barb	Impact Modified Weather Resistant Nylon 6.6	100
SGMPMWH32-L0	SGM, SGI, SGS, SGLH, SGH	Tree Barb	Impact Modified Weather Resistant Nylon 6.6	50
Screw Applied Tie Mounts				
SGTM1S6-C	SGM	#6 (M3) Screw	Nylon 6.6	100
SGTM1S6-C0	SGM	#6 (M3) Screw	Weather Resistant Nylon 6.6	100
SGTM2S8-C	SGM, SGI, SGS	#8 (M4) Screw	Nylon 6.6	100
SGTM2S8-C0	SGM, SGI, SGS	#8 (M4) Screw	Weather Resistant Nylon 6.6	100
SGTM3S10-C	SGM, SGI, SGS, SGLH	#10 (M5) Screw	Nylon 6.6	100
SGTM3S10-C0	SGM, SGI, SGS, SGLH	#10 (M5) Screw	Weather Resistant Nylon 6.6	100

‡Cable Tie Cross Section Sizes: SGM = *Super-Grip*™ Miniature, SGI = *Super-Grip*™ Intermediate, SGS = *Super-Grip*™ Standard, SGLH = *Super-Grip*™ Light Heavy, SGH = *Super-Grip*™ Heavy.
See *Super-Grip*™ Cable Ties on page A1.10.

HYPER-V™ Cable Tie Mounts

HVMPM

- Retaining tab within window holds cable tie in position when pre-installed in the mount
- Low profile design keeps bundle close to mounting surface



HVTM

Part Number	Used with Cable Ties‡	Material	Mounting Method	Std. Pkg. Qty.
HVMPM32-C0	HV	Impact Modified Weather Resistant Nylon 6.6	Tree Barb for .315" Hole Diameter	100
HVTM3S10-C0	HV	Weather Resistant Nylon 6.6	#10 Screw	100

‡For use with *HYPER-V*™ Cable Ties, see page A1.11.

Masonry Push Mounts

- Used to secure wire, cable or tubing to masonry surfaces
- Material: Impact Modified Weather Resistant Nylon 6.6

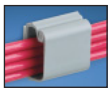
Part Number	Used With Cable Ties‡	Mounting Method	Hole Diameter (In.)	Std Pkg. Qty.
MPMS19-C0	M, I, S	Tree Barb	.187	100
MPMS25-C0	M, I, S		.250	100
MPMH38-L0	M, I, S, HS, LH, H and HLM		.375	50
MPMWH32-L0	M, I, S, HS, LH, H and HLM		.315	50

‡Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, HS = Heavy Standard, LH = Light-Heavy, H = Heavy and HLM = Miniature *TAK-TY*® Hook & Loop Ties.

PANDUIT®

Cable and Wire Mounting Devices

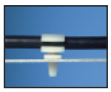
ARC


LC3, LC5, LC10

ACC

- Used without cable ties to mount wire and cable
- For indoor use only

MACC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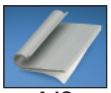
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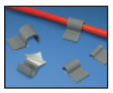
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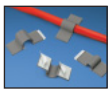

A2C

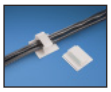
Part Number	Max. Bundle Dia (In.)	Mounting Method	Material	Std Pkg. Qty.
Adhesive Backed *CLINCHER*™ Mount				
ARC.68-A-Q14	.68	Rubber Adhesive	Polypropylene	25
Adhesive Backed Latching Clip				
LC3-A-C8	.20	Rubber Adhesive	PVC	100
LC5-A-C8	.36			100
LC10-A-L8	.93			50
Adhesive Backed Cord Clip				
ACC19-A-C	.19	Rubber Adhesive	Nylon 6.6	100
ACC38-A-C	.38			100
ACC62-A-C	.62			100
MACC25-A-C	.25		Zinc Plated Steel	100
MACC62-A-C	.62			100
Push Mount Cord Clip				
PMCC38H25-C	.38	Push Barb Fits .250" Diameter Hole in up to .105" Thick Panel	Nylon 6.6	100
Adhesive Backed Wire Clip				
AJC19-A-C	.19	Rubber Adhesive	PVC	100
AJC25-A-C	.25			100
AJC31-A-C	.31			100
AJC38-A-C	.38			100
A1C12-A-C8	.12			100
A1C25-A-C8	.25			100
A1C38-A-C8	.38			100
A1C50-A-C8	.50			100
A2C12-A-C8	.12			100
A2C25-A-C8	.25			100
A2C38-A-C8	.38			100
A2C50-A-C8	.50			100

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

Cable and Wire Mounting Devices (continued)

WBS

SICH


BEC

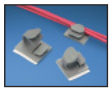
BECP

TWR

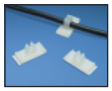
Part Number	Max. Bundle Diameter (In.)	Mounting Method	Material	Std. Pkg. Qty.
Wire Bundle Strap				
WBS6-Q	6 sq. in.	(2) .25" (M6) Screws	ABS	25
Push Mount Wire Clips				
SICH25-C	.25	Push Barb Fits .250" Diameter Hole in .03" to .10" Thick Panel	Nylon 6.6	100
SICH38-C	.38			100
SICH50-C	.50			100
SICH75-C	.75			100
SICH100-C	1.00			100
SICH150-C	1.50			100
Adhesive Backed Bevel Entry Wire Clip				
BEC38-A-L	.38	Rubber Adhesive	Nylon 6.6	50
BEC75-A-L	.75			50
Push Mount Bevel Entry Wire Clip				
BECP38H25-L	.38	Inserted into Pre-Drilled Hole	Nylon 6.6	50
BECP75H25-L	.75			50
Tension Wire Retainer				
TWR-C	.38	#6 (M3) Screw	Nylon 6.6	100
TWR-C0			Weather Resistant Nylon 6.6	100

Continued on page A2.8

Cable and Wire Mounting Devices (continued)


LWC*-A

LWC*-H


VCC

Part Number	Max. Bundle Diameter (In.)	Mounting Method	Material	Std. Pkg. Qty.
Latching Wire Clip				
LWC19-A-C14	.19	Rubber Adhesive	Nylon 6.6	100
LWC25-A-C14	.25			100
LWC38-A-C14	.37			100
LWC50-A-L14	.50			50
LWC75-A-L14	.75			50
LWC100-A-L14	1.00			50
LWC19-H25-C14	.19	Push Barb		100
LWC25-H25-C14	.25			100
LWC38-H25-C14	.37			100
LWC50-H25-L14	.50			50
LWC75-H25-L14	.75			50
LWC100-H25-L14	1.00			50
Vertical Cord Clip				
VCC25-A-C	.25	Rubber Adhesive	Nylon 6.6	100
VCC50-A-C	.50			100

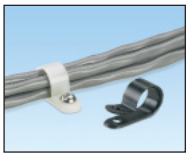
Vertical D-Rings

- Patented cable manager ring
- Standard EIA hole spacing allows product to be mounted to any standard rack
- Flexible material allows arm to rotate so entire cable bundle can be inserted and removed
- 1/4" mounting hole allows for a variety of screws to secure the D-ring to a surface

Part Number	Max. Bundle Diameter In. (mm)	Mounting Method	Material	Std. Pkg. Qty.
CMVDR1	4.85 (123.2) x 1.23 (31.24)	Screw Mounted Holes Accept (2) .25" Screws	Flame Retardant Polycarbonate	1
CMVDR2	4.85 (123.2) x 2.48 (62.9)			1

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

Fixed Diameter Cable Clamps



- Durable nylon cable clamps
- Available in two widths for standard and heavy duty applications

Part Number	Maximum Diameter (In.)	Std. Pkg. Qty.
Standard 3/8", #8 Screw		
CCS12-S8-C	.12	100
CCS19-S8-C	.19	100
CCS25-S10-C	.25	100
CCS31-S8-C	.31	100
CCS38-S8-C	.38	100
CCS44-S8-C	.44	100
CCS50-S8-C	.50	100
Heavy Duty 1/2", #10 Screw		
CCH12-S10-C	.12	100
CCH19-S10-C	.19	100
CCH25-S10-C	.25	100
CCH31-S10-C	.31	100
CCH38-S10-C	.38	100
CCH44-S10-C	.44	100
CCH50-S10-C	.50	100
CCH56-S10-C	.56	100
CCH62-S10-C	.62	100
CCH69-S10-C	.69	100
CCH75-S10-C	.75	100
CCH81-S10-C	.81	100
CCH87-S10-C	.87	100
CCH100-S10-C	1.00	100
CCH112-S10-C	1.12	100
CCH119-S10-C	1.19	100
CCH125-S10-C	1.25	100
CCH138-S10-C	1.37	100
CCH150-S10-C	1.50	100

All parts listed are also available in black weather resistant material (add suffix 0). Bulk package only.

PANDUIT®

J-PRO™ Cable Support System

- Complete horizontal and vertical 1" bend radius control helps prevent degradation of cable performance
- UL 2043 and CAN/ULC S102.2 approved and are suitable for use in air handling spaces
- Durable non-metallic J Hook material provide the ability to manage and support a large number of cables

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Part Number	Part Description	Material	Maximum Static Load (Lbs.)	Std. Pkg. Qty.
Wall Mount				
JP75W-L20	J Hook for wall mount applications. One 1/4" (M6) mounting hole for user supplied screw.	Nylon 6.6	15	50
JP131W-L20			20	50
JP2W-L20			30	50
JP4W-X20			30	10
Wall Mount with Bracket				
JP75WP-L20	J Hook for powder actuated installation on walls. One 5/32" (M4) mounting hole for user supplied fasteners.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131WP-L20			20	50
JP2WP-L20			30	50
JP4WP-X20			30	10
Ceiling Mount				
JP75CM-L20	J Hook with ceiling mount bracket that has one 3/16" (M5), 1/4" (M6) and 3/8" (M10) mounting hole.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131CM-L20			20	50
JP2CM-L20			30	50
JP4CM-X20			30	10

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

J-PRO™ Cable Support System (continued)

Part Number	Part Description	Material	Maximum Static Load (Lbs.)	Std. Pkg. Qty.
Drop Wire and Threaded Rod Clip				
JP75DW-L20	J Hook with clip for use with #12 wire, threaded rod up to 3/8" in diameter, or 1/8" – 3/8" thick flanges.	Nylon 6.6 J Hook with Metal Attachments	10	50
JP131DW-L20			10	50
JP2DW-L20			10	50
Screw-On Beam Clamps				
JP75SBC50-L20	J Hook with screw-on beam clamp for use with flanges up to 1/2" thick.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131SBC50-L20			20	50
JP2SBC50-L20			30	50
JP4SBC50-X20			100	10
JP75SBC50R-L20	J Hook with screw-on beam clamp for use with flanges up to 1/2" thick. Rotates 360 degrees.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131SBC50R-L20			20	50
JP2SBC50R-L20			30	50
JP4SBC50R-X20			30	10
JP75SBC87-L20	J Hook with screw-on beam clamp for use with flanges up to 3/4" thick.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131SBC87-L20			20	50
JP2SBC87-L20			30	50
JP4SBC87-X20			100	10
JP75SBC87R-L20	J Hook with screw-on beam clamp for use with flanges up to 3/4" thick. Rotates 360 degrees.		15	50
JP131SBC87R-L20			20	50
JP2SBC87R-L20			30	50
JP4SBC87R-X20			100	10

Continued on page A2.12

PANDUIT®

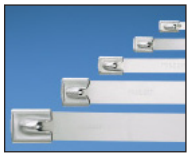
J-PRO™ Cable Support System (continued)

Part Number	Part Description	Material	Maximum Static Load (Lbs.)	Std. Pkg. Qty.
Hammer-On Beam Clamps				
JP75HBC25R-L20	J Hook with hammer-on beam clamp for use with flanges 1/8" – 1/4" thick. Rotates 360 degrees.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131HBC25R-L20			20	50
JP2HBC25R-L20			30	50
JP4HBC25R-X20			30	10
JP75HBC50R-L20	J Hook with hammer-on beam clamp for use with flanges 5/16" – 1/2" thick. Rotates 360 degrees.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131HBC50R-L20			20	50
JP2HBC50R-L20			30	50
JP4HBC50R-X20			30	10
JP75HBC75R-L20	J Hook with hammer-on beam clamp for use with flanges 9/16" – 3/4" thick. Rotates 360 degrees.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131HBC75R-L20			20	50
JP2HBC75R-L20			30	50
JP4HBC75R-X20			30	10
Z-Purlin Clips				
JP75ZP-L20	J Hook with z-purlin clip for use with angled flanges up to 1/4" thick.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131ZP-L20			20	50
JP2ZP-L20			30	50
JP4ZP-X20			60	10
C-Purlin Clips				
JP75CP-L20	J Hook with c-purlin clip for use with vertical flanges up to 1/4" thick.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131CP-L20			20	50
JP2CP-L20			30	50
JP4CP-X20			60	10
Under Floor Pedestal Support Clamp				
JP75UF100-L20	J Hook with under floor pedestal support clamp for use with pedestal support up to 1" in diameter.	Nylon 6.6 J Hook with Metal Attachments	15	50
JP131UF100-L20			20	50
JP2UF100-L20			30	50
JP4UF100-X20			50	10

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

Stainless Steel

PAN-STEEL® Self-Locking Stainless Steel Cable Ties



- Ideal for use in harsh environments
- Low threading force speeds installation time and increases efficiency for lower installed cost
- Fully rounded edges
- Type 304 and 316 stainless steel
- UL listed for air handling spaces (UL2043)

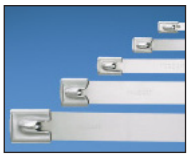
Part Number	Length (In.)	Width (In.)	Min. Loop Tensile Strength (Lbs.)*	Tool**	Std. Pkg. Qty.
AISI 304 Stainless Steel – For General Purpose					
Standard Cross Section					
MLT1S-CP	5.0	.18	200	GS4MT	100
MLT2S-CP	7.9	.18	200		100
MLT2.7S-CP	10.2	.18	200		100
MLT4S-CP	14.3	.18	200		100
MLT6S-CP	20.5	.18	200		100
MLT8S-CP	26.8	.18	200		100
Heavy Cross Section					
MLT2H-LP	7.9	.31	450	GS4MT	50
MLT4H-LP	14.3	.31	450		50
MLT6H-LP	20.5	.31	450		50
MLT8H-LP	26.8	.31	450		50
MLT10H-LP	33.0	.31	450		50

*Per SAE Standard AS23190/3 (formerly MIL).

**For information on other installation tools available, contact *PANDUIT* Customer Service or visit www.panduit.com.

For custom length banding products, see the full line *PANDUIT* Electrical Solutions Catalog, SA-ELCB03.

PAN-STEEL® Self-Locking Stainless Steel Cable Ties (continued)



Part Number	Length (In.)	Width (In.)	Min. Loop Tensile Strength (Lbs.)*	Tool**	Std. Pkg. Qty.
Extra-Heavy Cross Section					
MLT4EH-LP	17.1	.50	600	RT1HT	50
MLT6EH-LP	23.4	.50	600		50
MLT8EH-LP	29.7	.50	600		50
Super-Heavy Cross Section					
MLT4SH-LP	17.1	.63	900	RT1HT	50
MLT6SH-LP	23.4	.63	900		50
MLT8SH-LP	29.7	.63	900		50
AISI 316 Stainless Steel – For Superior Corrosion Resistance					
Standard Cross Section					
MLT1S-CP316	5.0	.18	200	GS4MT	100
MLT2S-CP316	7.9	.18	200		100
MLT4S-CP316	14.3	.18	200		100
Heavy Cross Section					
MLT2H-LP316	7.9	.31	450	GS4MT	50
MLT4H-LP316	14.3	.31	450		50
MLT6H-LP316	20.5	.31	450		50
MLT8H-LP316	26.8	.31	450		50

*Per SAE Standard AS23190/3 (formerly MIL).
**For information on other installation tools available, contact *PANDUIT* Customer Service or visit www.panduit.com.

PAN-STEEL® Fully Coated Stainless Steel Cable Ties

- Polyester coated 316 grade stainless steel
- Self-locking with low thread force
- Low smoke, halogen free and UV resistant
- Temperature tolerance -40°F (-40°C) to 302°F (150°C)

Part Number	Length (In.)	Width (In.)	Min. Loop Tensile Strength (Lbs.)*	Tool**	Std. Pkg. Qty.
Standard Cross Section					
MLTFC2S-CP316	7.9	.18	100	GS4MT	100
MLTFC4S-CP316	14.3	.18	100		100
MLTFC6S-CP316	20.5	.18	100		100
MLTFC8S-CP316	26.8	.18	100		100
Heavy Cross Section					
MLTFC2H-LP316	7.9	.31	250	GS4MT	50
MLTFC4H-LP316	14.3	.31	250		50
MLTFC6H-LP316	20.5	.31	250		50
MLTFC8H-LP316	26.8	.31	250		50
Extra-Heavy Cross Section					
MLTFC4EH-LP316	17.1	.50	300	RT1HT	50
MLTFC6EH-LP316	23.4	.50	300		50
MLTFC8EH-LP316	29.7	.50	300		50
Super-Heavy Cross Section					
MLTFC4SH-LP316	17.1	.63	450	RT1HT	50
MLTFC6SH-LP316	23.4	.63	450		50
MLTFC8SH-LP316	29.7	.63	450		50

*Per SAE Standard AS23190/3 (formerly MIL).
**For information on other installation tools available, contact *PANDUIT* Customer Service or visit www.panduit.com.

Installation Tools for Stainless Steel Cable Ties

GS4MT

RT1HT

- Side entry of cable ties into the tools for quick and easy installation
- Automatic tension and cut-off capabilities
- High reliability, low maintenance, long life

Part Number	Part Description	Std. Pkg. Qty
GS4MT	Used with standard and heavy cross section *PAN-STEEL*® type MLT and MLTFC ties.	1
RT1HT	Used with extra-heavy and super-heavy cross section *PAN-STEEL*® type MLT and MLTFC ties.	1

Stainless Steel Marker Plates

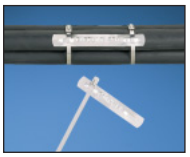
- Identify pipes, conduit, valves, cables and equipment in harsh environments
- All marker plates/tags can be custom marked by *PANDUIT* with one of two computer controlled systems (laser or embosser) to provide permanent identification to resist corrosion, abrasion and radiation. See on-site marking tools A3.5 and A3.6
- Used with *PANDUIT*® *PAN-STEEL*® MLT-S Series Stainless Steel Cable Ties

Part Number	Plate/Tag Size		Material	Std. Pkg. Qty.
	Width (In.)	Length (In.)		
MMP350-C	.75	3.50	304 Stainless Steel	100
MMP350-C316	.75	3.50	316 Stainless Steel	100
MMP350W38-C	.38	3.50	304 Stainless Steel	100
MMP350W38-C316	.38	3.50	316 Stainless Steel	100

Note: *PANDUIT* also offers a factory custom marking service. Contact *PANDUIT* Customer Service for more information.

Metal Embossing Tool and Tape System

MEHT



- Provides creation of custom length identification with *PAN-STEEL*® Marker Plates and Tags, quickly and easily
- Embosses 3/16" characters onto rolls of stainless steel or aluminum tape

Part Number	Part Description	Std. Pkg. Qty.
Tool Kit		
MEHT	Includes tool, carrying case, one roll each META (aluminum) and METS4 (stainless steel) tape. Characters include: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 . /	1
Tape		
META-X	.50" x 16' aluminum tape*.	10
METS3-X	.50" x 21' 316 grade stainless steel tape.	10
METS4-X	.50" x 21' 304 grade stainless steel tape.	10

*Aluminum ties are recommended for use with aluminum tape to prevent galvanic reaction (corrosion that can occur between stainless steel and aluminum in certain environments).

Metal Indenting Machine

- Provides quick, easy and permanent identification of *PAN-STEEL*® Stainless Steel Cable Ties, Straps, Marker Plates and Tags
- Automatic table indexing advances material forward for convenience and improved productivity

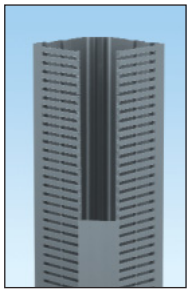
Part Number	Part Description	Std. Pkg. Qty.
MIM094	Indenting machine with 3/32" character wheel*.	1
MIM125	Indenting machine with 1/8" character wheel*.	1
MIM187	Indenting machine with 3/16" character wheel*.	1

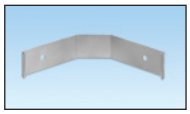
*Characters include: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 . /.

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

Wiring Duct

NEW! *PANELMAX*™ Corner Wiring Duct





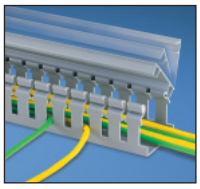
- Angled 4-sided base design fits in the unused space in the vertical corner of enclosures and provides up to 5 ft.^{2} of additional sub-panel space for mounting control components or up to 20% space savings in enclosure footprint area
- Quick mount clips require minimal hardware for reduced installation time; once installed the base is easily snapped into place on the clips
- Compatible with standard wiring duct and cover providing consistent, neat appearance when used with *PANDUIT* 3" and 4" height wiring duct. *PANELMAX*™ Corner Wiring Duct uses standard *PANDUIT* 2" wiring duct cover for simplicity in ordering

Part Number	Duct Size W x H (In.)	Cover Part Number	Length (ft)	Std. Ctn. Qty.
***PANELMAX*™ Corner Wiring Duct**				
CWD3LG6	4.40 x 3.57	**C2LG6**	6	24
CWD4LG6	5.33 x 4.58	**C2LG6**	6	24
CWD3WH6	4.40 x 3.57	**C2WH6**	6	24
CWD4WH6	5.33 x 4.58	**C2WH6**	6	24

Part Number	Part Description	Fastener Size	Std. Pkg. Qty.
Quick Mount Clips			
CDCLP3	Quick mounting clip for installing CWD3 corner wiring duct.	#10-32 x 1/4 (user supplied)	16
CDCLP4	Quick mounting clip for installing CWD4 corner wiring duct.		16

Order number of feet required in multiples of 6' or Standard Carton Quantity.
Base and cover sold separately.

PANDUCT® Type H – Hinged Cover Wiring Duct

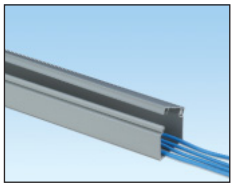


- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 flammability rating of V-0

Part Number	Duct Size W x H (In.)	Cover Part Number	Length (ft)	Std. Ctn. Qty.
H1.5X2LG6	1.75 x 1.98	**HC1.5LG6**	6	120
H1.5X3LG6	1.75 x 3.06	**HC1.5LG6**	6	120
H2X2LG6	2.17 x 1.98	**HC2LG6**	6	120
H2X3LG6	2.17 x 3.06	**HC2LG6**	6	60
H2X4LG6	2.17 X 4.10	**HC2LG6**	6	60
H3X3LG6	3.25 x 3.06	**HC3LG6**	6	60
H3X4LG6	3.25 x 4.10	**HC3LG6**	6	60
H4X4LG6	4.25 x 4.10	**HC4LG6**	6	60

For other colors replace LG (Light Gray) with BL (Black) or WH (White).
Order number of feet required, in multiples of 6' or Standard Carton Quantity.
Base and cover sold separately.

NEW! PANDUCT® Type HS – Hinged Cover Solid Wall Raceway

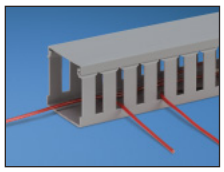


- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 Flammability Rating of V-0

Part Number	Duct Size W x H (In.)	Cover Part Number	Length (ft)	Std. Ctn. Qty.
HS1.5X2LG6NM	1.75 x 1.98	**HC1.5LG6**	6	120
HS1.5X3LG6NM	1.75 x 3.06	**HC1.5LG6**	6	60
HS2X2LG6NM	2.17 x 1.98	**HC2LG6**	6	120
HS2X3LG6NM	2.17 x 3.06	**HC2LG6**	6	60
HS2X4LG6NM	2.17 x 4.10	**HC2LG6**	6	60
HS3X3LG6NM	3.25 x 3.06	**HC3LG6**	6	60
HS3X4LG6NM	3.25 x 4.10	**HC3LG6**	6	60
HS4X4LG6NM	4.25 x 4.10	**HC4LG6**	6	60

Part numbers shown available in LG (Light Gray) and WH (White). 2 x 2 and 4 x 4 sizes available in BL (Black) colors.
Order number of feet required in multiples of 6' or Standard Carton Quantity.
Base and cover sold separately.

PANDUCT® Type G – Wide Slot Wiring Duct

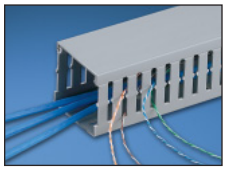


- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 flammability rating of V-0

Part Number	Duct Size W x H (In.)	Slot Width (In.)	Cover Part Number	Length (ft)	Std. Ctn. Qty.
G.5X.5LG6	.69 x .60	.38	**C.5LG6**	6	120
G.5X1LG6	.69 x 1.06	.31	**C.5LG6**	6	120
G.5X2LG6	.69 x 2.03	.31	**C.5LG6**	6	120
G.5X4LG6	.69 x 4.10	.31	**C.5LG6**	6	60
G.75X.75LG6	.93 x .82	.31	**C.75LG6**	6	120
G.75X1LG6	.93 x 1.06	.31	**C.75LG6**	6	120
G.75X1.5LG6	.93 x 1.57	.31	**C.75LG6**	6	120
G.75X2LG6	.93 x 2.03	.31	**C.75LG6**	6	120
G1X1LG6	1.26 x 1.12	.31	**C1LG6**	6	120
G1X1.5LG6	1.26 x 1.62	.31	**C1LG6**	6	120
G1X2LG6	1.26 x 2.12	.31	**C1LG6**	6	120
G1X3LG6	1.26 x 3.12	.31	**C1LG6**	6	120
G1X4LG6	1.26 x 4.10	.31	**C1LG6**	6	60
G1.5X1LG6	1.75 x 1.12	.31	**C1.5LG6**	6	120
G1.5X1.5LG6	1.75 x 1.62	.31	**C1.5LG6**	6	120
G1.5X2LG6	1.75 x 2.12	.31	**C1.5LG6**	6	120
G1.5X3LG6	1.75 x 3.12	.31	**C1.5LG6**	6	120
G1.5X4LG6	1.75 x 4.10	.31	**C1.5LG6**	6	60
G2X1LG6	2.25 x 1.12	.31	**C2LG6**	6	120
G2X1.5LG6	2.25 x 1.62	.31	**C2LG6**	6	120
G2X2LG6	2.25 x 2.12	.31	**C2LG6**	6	120
G2X3LG6	2.25 x 3.12	.31	**C2LG6**	6	60
G2X4LG6	2.25 x 4.10	.31	**C2LG6**	6	60
G2X5LG6	2.25 x 5.10	.38	**C2LG6**	6	60
G2.5X3LG6	2.75 x 3.12	.31	**C2.5LG6**	6	120
G3X1LG6	3.25 x 1.12	.31	**C3LG6**	6	120
G3X2LG6	3.25 x 2.12	.31	**C3LG6**	6	120
G3X3LG6	3.25 x 3.12	.31	**C3LG6**	6	60
G3X4LG6	3.25 x 4.10	.31	**C3LG6**	6	60
G3X5LG6	3.25 x 5.10	.38	**C3LG6**	6	60
G4X1.5LG6	4.25 x 1.62	.31	**C4LG6**	6	120
G4X2LG6	4.25 x 2.12	.31	**C4LG6**	6	60
G4X3LG6	4.25 x 3.12	.31	**C4LG6**	6	60
G4X4LG6	4.25 x 4.10	.31	**C4LG6**	6	60
G4X5LG6	4.25 x 5.10	.38	**C4LG6**	6	60
G6X4LG6	6.25 x 4.15	.31	**C6LG6**	6	60

Color Shown – LG (Light Gray).
Selected sizes also available in WH (White) and BL (Black).
Order number of feet required, in multiples of 6' or Standard Carton Quantity.

PANDUCT® Type F – Narrow Slot Wiring Duct

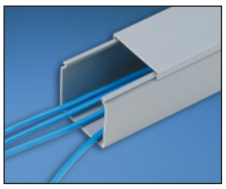


- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 flammability rating of V-0

Part Number	Duct Size W x H (In.)	Slot Width (In.)	Cover Part Number	Length (ft)	Std. Ctn. Qty.
F.5X.5LG6	.69 x .60	.20	C.5LG6	6	120
F.5X1LG6	.69 x 1.06	.20	C.5LG6	6	120
F.75X.75LG6	.93 x .82	.20	C.75LG6	6	120
F.75X1.5LG6	.93 x 1.57	.20	C.75LG6	6	120
F1X1LG6	1.26 x 1.12	.20	C1LG6	6	120
F1X1.5LG6	1.26 x 1.62	.20	C1LG6	6	120
F1X2LG6	1.26 x 2.12	.20	C1LG6	6	120
F1X3LG6	1.26 x 3.12	.20	C1LG6	6	120
F1X4LG6	1.26 x 4.10	.20	C1LG6	6	60
F1.5X1LG6	1.75 x 1.12	.20	C1.5LG6	6	120
F1.5X1.5LG6	1.75 x 1.62	.20	C1.5LG6	6	120
F1.5X2LG6	1.75 x 2.12	.20	C1.5LG6	6	120
F1.5X3LG6	1.75 x 3.12	.20	C1.5LG6	6	120
F1.5X4LG6	1.75 x 4.10	.20	C1.5LG6	6	60
F2X1LG6	2.25 x 1.12	.20	C2LG6	6	120
F2X1.5LG6	2.25 x 1.62	.20	C2LG6	6	120
F2X2LG6	2.25 x 2.12	.20	C2LG6	6	120
F2X3LG6	2.25 x 3.12	.20	C2LG6	6	60
F2X4LG6	2.25 x 4.10	.20	C2LG6	6	60
F2X5LG6	2.25 x 5.10	.20	C2LG6	6	60
F3X1LG6	3.25 x 1.12	.20	C3LG6	6	120
F3X2LG6	3.25 x 2.12	.20	C3LG6	6	120
F3X3LG6	3.25 x 3.12	.20	C3LG6	6	60
F3X4LG6	3.25 x 4.10	.20	C3LG6	6	60
F3X5LG6	3.25 x 5.10	.20	C3LG6	6	60
F4X2LG6	4.25 x 2.12	.20	C4LG6	6	60
F4X3LG6	4.25 x 3.12	.20	C4LG6	6	60
F4X4LG6	4.25 x 4.10	.20	C4LG6	6	60
F4X5LG6	4.25 x 5.10	.20	C4LG6	6	60

For white color replace LG (Light Gray) with WH (White).
Order number of feet required, in multiples of 6' or Standard Carton Quantity.

PANDUCT® Type FS – Solid Wall Raceway



- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 flammability rating of V-0

Part Number	Duct Size W x H (In.)	Cover Part Number	Length (ft)	Std. Ctn. Qty.
FS.5X.5LG6NM	.69 x .60	**C.5LG6**	6	120
FS.5X1LG6NM	.69 x 1.06	**C.5LG6**	6	120
FS.75X.75LG6NM	.93 x .82	**C.75LG6**	6	120
FS1X1LG6NM	1.26 x 1.12	**C1LG6**	6	120
FS1X1.5LG6NM	1.26 x 1.62	**C1LG6**	6	120
FS1X2LG6NM	1.26 x 2.12	**C1LG6**	6	120
FS1X3LG6NM	1.26 x 3.12	**C1LG6**	6	120
FS1X4LG6NM	1.26 x 4.10	**C1LG6**	6	60
FS1.5X1LG6NM	1.75 x 1.12	**C1.5LG6**	6	60
FS1.5X1.5LG6NM	1.75 x 1.62	**C1.5LG6**	6	60
FS1.5X2LG6NM	1.75 x 2.12	**C1.5LG6**	6	60
FS1.5X3LG6NM	1.75 x 3.12	**C1.5LG6**	6	60
FS2X1LG6NM	2.25 x 1.12	**C2LG6**	6	120
FS2X1.5LG6NM	2.25 x 1.62	**C2LG6**	6	120
FS2X2LG6NM	2.25 x 2.12	**C2LG6**	6	120
FS2X3LG6NM	2.25 x 3.12	**C2LG6**	6	60
FS3X1LG6NM	3.25 x 1.12	**C3LG6**	6	120
FS3X2LG6NM	3.25 x 2.12	**C3LG6**	6	120
FS3X3LG6NM	3.25 x 3.12	**C3LG6**	6	60
FS3X4LG6NM	3.25 x 4.10	**C3LG6**	6	60
FS3X5LG6NM	3.25 x 5.10	**C3LG6**	6	60
FS4X2LG6NM	4.25 x 2.12	**C4LG6**	6	60
FS4X3LG6NM	4.25 x 3.12	**C4LG6**	6	60
FS4X4LG6NM	4.25 x 4.10	**C4LG6**	6	60
FS4X5LG6NM	4.25 x 5.10	**C4LG6**	6	60
FS6X4LG6NM	6.25 x 4.15	**C6LG6**	6	60

For other colors replace LG (Light Gray) with WH (White) or BL (Black), available in selected sizes.
Order number of feet required, in multiples of 6' or Standard Carton Quantity.

PANDUCT® Type FL – Flexible Wiring Duct

- Material: Flexible Polypropylene
- UL Recognized continuous use temperature: 149°F (65°C)
- UL94 flammability rating of V-2

Part Number	Duct Size W x H (In.)	Length (In.)	Std. Pkg. Qty.
FL12X12LG-A	.49 x .49	19.7	112
FL25X25LG-A	.98 x .98	19.7	70
FL50X50LG-A	1.97 x 1.97	19.7	32

Available in LG (RAL 7040 Light Gray) color only.

PANDUCT® Installation Tools

- DCT easily cuts any *PANDUCT*® Duct and Cover
- DNT-100 notches duct sidewalls to bottom scoreline for tees and corner junctions
- TNR installs *PANDUIT* Nylon Rivets (NR1) quickly and easily

Part Number	Part Description	Std. Pkg. Qty.
Duct Cutting Tool (For use with all duct/raceway types)		
DCT	Hand held duct cutting tool.	1
Duct Cutting Tool (For use with all duct/raceway types)		
DNT-100	Hand held sidewall notching tool.	1
Nylon Rivet Installation Tool		
TNR	Hand held nylon rivet installation tool.	1
Nylon Rivets		
NR1-C	Nylon rivet for use with TNR rivet tool.	100

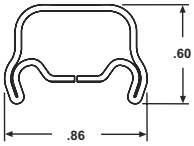
Always use approved safety goggles when using any tools.

Notes

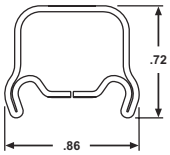
PAN-WAY® Metal Raceway Systems

NEW! PAN-WAY® PMR5/PMR7 Metal Raceway System

- Patent Pending bonding method helps to insure physical safety in the event of an electrical short
- System incorporates a unique snap mount assembly method for fast and easy installation
- Hidden mounting clip design improves aesthetics by removing mounting hardware from view



PMR5
Internal Area = 0.221 Sq. In.



PMR7
Internal Area = 0.298 Sq. In.

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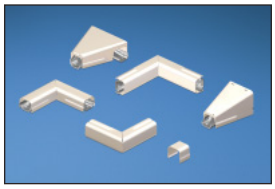
Part Number	Part Description	Raceway Size	Color‡	Length (ft)	Std. Pkg. Qty.
PMR5 Metal Raceway					
PMR5WH5	One-piece single channel metal surface raceway.	.86" x .60"	White	5	5
PMR5WH10	One-piece single channel metal surface raceway.	.86" x .60"	White	10	100
PMR7 Metal Raceway					
PMR7WH5	One-piece single channel metal surface raceway.	.86" x .72"	White	5	5
PMR7WH10	One-piece single channel metal surface raceway.	.86" x .72"	White	10	100
Supporting Clip					
PMR57SC-X	Supporting clip used to support lengths of PMR5 or PMR7 Raceway.	—	—	—	10
Joint Coupling					
PMR57JC-X	Joint coupling used to join two lengths of PMR5 or PMR7 Raceway.	—	—	—	10
Mounting Strap					
PMR5MSWH-X	Mounting strap for use with PMR5 Raceway.	—	White	—	10
PMR7MSWH-X	Mounting strap for use with PMR7 Raceway.	—	White	—	10

‡For other colors replace WH (White) with AL (Almond).
Order number of feet required in multiples of standard carton quantity.

PMR5/PMR7 Metal Raceway Fittings



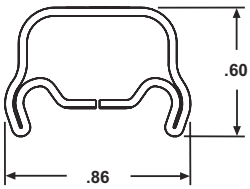
Part Number	Part Description	Color‡	Std. Pkg. Qty.
PMR5CCWH-X	Coupler fitting for use with PMR5 Raceway.	White	10
PMR7CCWH-X	Coupler fitting for use with PMR7 Raceway.		10
PMR5RAWH	Right angle fitting for use with PMR5 Raceway.		1
PMR7RAWH	Right angle fitting for use with PMR7 Raceway.		1
PMR5ICWH	Inside corner fitting for use with PMR5 Raceway.		1
PMR7ICWH	Inside corner fitting for use with PMR7 Raceway.		1
PMR5OCWH	Outside corner fitting for use with PMR5 Raceway.		1
PMR7OCWH	Outside corner fitting for use with PMR7 Raceway.		1
PMR5TRWH	In-line transition fitting from WIREMOLD* 500 series to PMR5 Raceway.		1
PMR7TRWH	In-line transition fitting from WIREMOLD* 700 series to PMR7 Raceway.		1
PMR57TWH	Tee fitting for use with PMR5 or PMR7 Raceway.		1
PMR57EEWH	Entrance end fitting. 1/2" conduit breakouts allows entry of PMR5 or PMR7 Raceway from a box, the ceiling, or a wall.		1
PMR57AOCWH	Adjustable offset allows PMR5 or PMR7 to be mounted flush to wall when connected to surface type panel boxes.		1
PMR57JBC50-X	Junction box connector used to connect PMR5 or PMR7 Raceway to boxes with 1/2" conduit breakout.		10
PMR57JBC75-X	Junction box connector used to connect PMR5 or PMR7 Raceway to boxes with 3/4" conduit breakout.		10

‡For other colors replace WH (White) with AL (Almond).
*WIREMOLD is a registered trademark of the Wiremold Co.

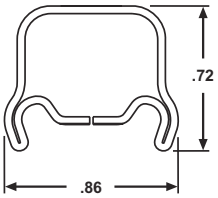
Order number of pieces required, in multiples of Standard Package Quantity.

Cable Fill Capacities for PMR5/PMR7 Metal Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the cable installation methods, straightness of cables, etc.



PMR5
Internal Area = 0.221 Sq. In.



PMR7
Internal Area = 0.298 Sq. In.

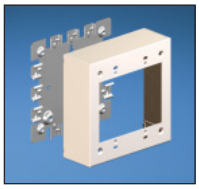
SPEC = 40% cable fill – The recommended design in cable capacity, leaves room for future moves, adds and changes.

MAX for Data = 60% cable fill – The maximum cable quantity based on cable interweaving and packing factors.

MAX for Power cable fill – The maximum of electrical cables based on 40% fill.

Raceway Type and Configuration	Fill Area (In.²)	Electrical Cables			Data Grade Cable	
		14 AWG	12 AWG	10 AWG	23/24 AWG UTP CM	
		THHN/T90			Category 6	
		0.111	0.130	0.164	0.250	
		FILL			FILL	
		MAX	MAX	MAX	SPEC	MAX
		40%	40%	40%	(40%)	(60%)
PMR5	0.22	9	6	4	1	2
PMR7	0.30	12	8	5	2	3

PAN-WAY® Metal Raceway Boxes



Part Number	Part Description	Color‡	Std. Pkg. Qty.
PMR5747WH	Single gang shallow outlet box. For use with *PAN-WAY*® PMR5 or PMR7 Raceways. 4.9"L x 3.3"W x 1.4"H.	White	1
PMR5747-2WH	Double gang shallow outlet box. For use with *PAN-WAY*® PMR5 or PMR7 Raceways. 4.9"L x 4.9"W x 1.4"H.		1
PMR5748WH	Single gang outlet box. For use with *PAN-WAY*® PMR5 or PMR7 Raceways. 4.9"L x 3.3"W x 1.8"H.		1
PMR5748-2WH	Double gang outlet box. For use with *PAN-WAY*® PMR5 or PMR7 Raceways. 4.9"L x 4.9"W x 1.8"H.		1
PMR5748-3WH	Three gang outlet box. For use with *PAN-WAY*® PMR5 or PMR7 Raceways. 4.9"L x 6.7"W x 1.8"H.		1
PMR5738WH	Round fixture box with solid base is UL/CSA rated to accept devices up to 50 lbs. 4.8"D x 1.0"H.		1
PMR5738AWH	Round fan or fixture box with solid base is UL/CSA rated to accept devices up to 50 lbs. 5.5"D x 1.0"H.		1
PMR5739WH	Round fixture box with solid base is UL/CSA rated to accept devices up to 50 lbs. 6.4"D x 1.0"H.		1

‡For other colors replace WH (White) with AL (Almond).

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

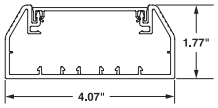
PAN-WAY® Metal Raceway Faceplates

Part Number	Part Description	Color‡	Std. Pkg. Qty.
MP1G106WH	Metal single gang 106 duplex faceplate.	White	1
MP1GRWH	Metal single gang rectangular faceplate.		1
MP1TSWH	Metal single gang toggle switch faceplate.		1
MP2G106WH	Metal double gang 106 duplex faceplate.		1
MP2G106RWH	Metal double gang 106 duplex/rectangular faceplate.		1
MP2GBWH	Metal double gang blank faceplate.		1
MP2GRWH	Metal double gang rectangular faceplate.		1
MP2TSWH	Metal double gang toggle switch faceplate.		1
MP3G106WH	Metal three gang 106 duplex faceplate.		1
MP3GRWH	Metal three gang rectangular faceplate.		1
MP3TSWH	Metal three gang toggle switch faceplate.		1

‡For other colors replace WH (White) with AL (Almond).

PAN-WAY® Non-Metallic Raceway Systems

PAN-WAY® T-70 Surface Raceway System



T-70
Internal Area = 5.15 Sq. In.

- UL and CSA rated 600 V; meets UL5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Compatible with NEMA standard 70mm faceplates or *PAN-WAY*® Classic Series Snap-On Faceplates
- Transitions to *PANDUIT* T-45 and LD Profile Raceways

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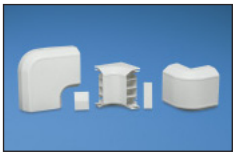
Part Number	Part Description	Raceway Size	Color‡	Length (ft)	Std. Ctn. Qty.
T-70 Raceway Base					
T70BIW8	T-70 Raceway base.	4.07" x 1.77"	Off White	8	48
T-70/TG-70/Twin-70 Raceway Cover					
T70CIW8	T-70, TG-70, or Twin-70 Raceway cover.	—	Off White	8	96
T-70/Twin-70 Raceway Divider Wall					
T70DW8	T-70 Raceway divider wall.	—	Gray	8	96

‡For other colors replace IW (Off White) with EI (Electric Ivory), WH (White) or IG (International Gray in 8' lengths ONLY).
Order raceway base and cover separately.
Order number of feet required in multiples of standard carton quantity.

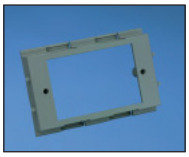
PAN-WAY® T-70 Raceway Fittings



Part Number	Part Description	Color‡	Std. Pkg. Qty.
T70CCIW-X	Cover coupler fitting.	Off White	10
T70BCIW-X	Base coupler fitting.		10
T70RAIW	Right angle fitting.		1
T70ICIW	Inside corner fitting.		1
T70OCIW	Outside corner fitting.		1
T70TIW	Tee fitting.		1
T70TD	Tee fitting divider insert (power and data applications).	Gray	1
T70ECIW	End cap fitting.	Off White	1
T70EEIW	Entrance end fitting.		1
T70TRIW	Transition fitting. Used to transition to any LD Profile or T-45 Raceway.		1
T70TRCIW	Transition fitting cover.		1
T70TRI	Divided insert for T-70 to LD2P10.	Gray	1
T70WM40TRIW	WIREMOLD* 4000 to T-70 transition fitting.	Off White	1
T70BFIW	Backfeed fitting.		1
T70BFI	Backfeed fitting insert.	Gray	1
T70WCIW	*WORKSTATION OUTLET CENTER*™ Offset Box for screw-on faceplates.	Off White	1
T70WC2IW	*WORKSTATION OUTLET CENTER*™ Offset Box for *PAN-WAY*® Snap-On Faceplates.		1

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray), or WH (White).
*WIREMOLD is a registered trademark of the Wiremold Co.

PAN-WAY® T-70 Raceway Accessories

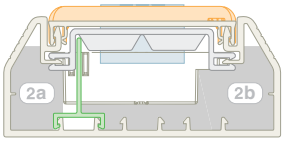


Part Number	Part Description	Color	Std. Pkg. Qty.
T70DB-X	Device mounting bracket	Gray	10
T70SDB-X	Standard faceplate bracket.		10
T70HB-X	Hanging box.		10
T70HB3-X	Three-sided hanging box.		10
T70HB3GFCI-X	GFCI three-sided hanging box.		10
T70WR-X	Wire retainer.		10
T70S-X	Spacer plate.	—	10
T70FSB	Fiber spool bracket.	Gray	1

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

Cable Fill Capacities for T-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the cable installation methods, straightness of cables, etc.



A = .86 in.²	A = 1.72 in.²

Cable fill #2: Power and data using three-sided hanging box and device bracket.

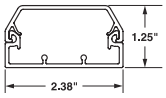
SPEC = 40% cable fill – The recommended design in cable capacity, leaves room for future moves, adds and changes.

MAX for Data = 60% cable fill – The maximum cable quantity based on cable interweaving and packing factors.

MAX for Power cable fill – The maximum of electrical cables based on UL temperature rise test.

Raceway Type and Configuration		Fill Area (In.²)	Electrical Cables			Data Grade Cable	
			14 AWG	12 AWG	10 AWG	23/24 AWG/UTP CM	
			THHN/T90			Category 6 (4 pr.)	
			.111	.130	.164	DIA. = .250	
			FILL			FILL	
			MAX	MAX	MAX	SPEC	MAX
			(UL Temp Rise Test)			(40%)	(60%)
2a.	T-70: Power and data using the 3-sided hanging box and device bracket	.86	14	11	7	—	—
2b.		1.72	—	—	—	14	21

PAN-WAY® T-45 Surface Raceway System



T45
Internal Area = 2.12 Sq. In.

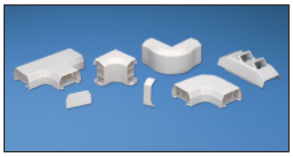
- UL and CSA rated 600 V; meets UL5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Hinged cover allows easy access from either side
- Terminates using the T-45 hinged data or power brackets, offset box, or surface mount outlet box solutions

5A LISTED

Part Number	Part Description	Raceway Size	Color‡	Length (ft)	Std. Ctn. Qty.
T-45 Raceway Base with Adhesive					
T45BIW8-A	T-45 Raceway base with adhesive.	2.38" x 1.25"	Off White	8	160
T-45 Raceway Base without Adhesive					
T45BIW8	T-45 Raceway base.	2.38" x 1.25"	Off White	8	160
T-45 Raceway Cover					
T45CIW8	T-45 Raceway cover.	—	Off White	8	160
T-45 Raceway Divider Wall					
T45DW8	T-45 divider wall.	—	Gray	8	160

‡For other colors replace IW (Off White) with EI (Electric Ivory).
Order base and cover separately.
Order number of feet required in multiples of standard carton quantity.

PAN-WAY® Type T-45 Raceway Fittings



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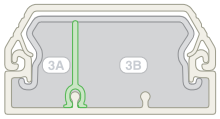
Part Number	Part Description	Color‡	Std. Pkg. Qty.
T45CCIW-X	Cover coupler fitting.	Off White	10
T45RAIW	Right angle fitting.		1
T45ICIW	Inside corner fitting.		1
T45OCIW	Outside corner fitting.		1
T45TIW	Tee fitting.		1
T45TD	Divided insert.	Gray	1
T45ECIW	End cap fitting.	Off White	1
T45EEIW	Entrance end fitting.		1
T45RLDIW	Reducer fitting. Reduces from T-45 to LD10 Profile Raceway.		1
T45TRI	Provides bend radius control at transition from T-70 to T-45 when used with T70TR.	Gray	1
T45HDBIW	Snap-on hinged data bracket.	Off White	1
T45HEBIW	Electrical bracket and box for standard outlets.		1
T45HEGBIW	Electrical bracket and box for rectangular outlets.		1
T45WR-X	Wire retainers.	Gray	10
T45WCIW	Offset box for screw-on faceplates.	Off White	1
T45WC2IW	Offset box for snap-on faceplates.		1

‡For other colors replace IW (Off White) with EI (Electric Ivory). T45TD, T45TRI, and T45WR-X available in Gray only.

Cable Fill Capacities for T-45 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the cable installation methods, straightness of cables, etc.



A = .44 in.² **B = 1.20 in.²**

Cable fill #3: Power and data using a wire retainer and divider wall.

SPEC = 40% cable fill – The recommended design in cable capacity, leaves room for future moves, adds, and changes.

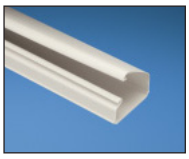
MAX for Data = 60% cable fill – The maximum cable quantity based on cable interweaving and packing factors.

MAX for Power cable fill – The maximum of electrical cables based on UL temperature rise test.

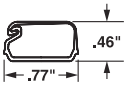
Raceway Type and Configuration		Fill Area (In.²)	Electrical Cables			Data Grade Cables	
			14 AWG	12 AWG	10 AWG	24 AWG/UTP CM	
			THHN/T90			Category 6 (4 pr.)	
			.111	.130	.164	DIA. = .250	
			FILL			FILL	
			MAX	MAX	MAX	SPEC	MAX
			(UL Temp Rise Test)			40%	60%
3A.	T-45: Power and data with wire retainer and divider wall (2 channels)	.44	12	11	8	—	—
3B.		1.20	—	—	—	9	14

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

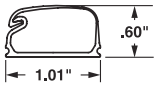
PAN-WAY® LD Surface Raceway System



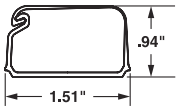
- For routing data and low voltage cabling, up to 50 V; FT4 rated
- One-piece hinged design allows cables to be laid in
- Terminates using surface mount outlet box solutions



LD3
Internal Area = .21 Sq. In.



LD5
Internal Area = .38 Sq. In.



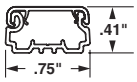
LD10
Internal Area = 1.00 Sq. In.

Part Number	Part Description	Raceway Size	Color‡	Length (ft)	Std. Ctn. Qty.
LD3 – Surface Raceway					
LD3IW8-A	One-piece latching surface raceway.	.77" x .46"	Off White	8	160
LD5 – Surface Raceway					
LD5IW8-A	One-piece latching surface raceway.	1.00" x .60"	Off White	8	160
LD10 – Surface Raceway					
LD10IW8-A	One-piece latching surface raceway.	1.51" x .94"	Off White	8	160

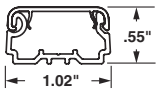
‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray), or WH (White).
Order number of feet required in multiples of standard length increments.

PAN-WAY® LDPH Surface Raceway System

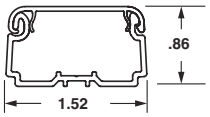
- UL and CSA rated 600 V; meets UL5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Pre-assembled two-piece design
- Non-slip liner cover



LDPH3
Internal Area = .17 Sq. In.



LDPH5
Internal Area = .33 Sq. In.



LDPH10
Internal Area = .89 Sq. In.

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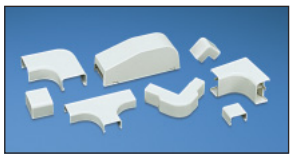
Part Number	Part Description	Raceway Size	Color‡	Length (ft)	Std. Ctn. Qty.
LDPH3 – Surface Raceway					
LDPH3IW8-A	Tamper resistant two-piece latching surface raceway.	.75" x .41"	Off White	8	160
LDPH5 – Surface Raceway					
LDPH5IW8-A	Tamper resistant two-piece latching surface raceway.	1.02" x .55"	Off White	8	160
LDPH10 – Surface Raceway					
LDPH10IW8-A	Tamper resistant two-piece latching surface raceway.	1.52" x .86"	Off White	8	160

LDPH Raceway requires screw mounting for power cabling applications.
Order number of feet required in multiples of standard length increments.
‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray), or WH (White).

Standard Fittings for Low Voltage Applications

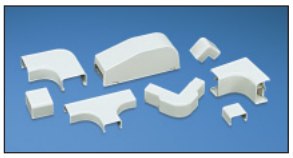


Part Number	Part Description	Color‡	Std. Pkg. Qty.
CF3IW-E	Coupler fitting for use with LD3 Raceway.	Off White	20
CF5IW-E	Coupler fitting for use with LD5 Raceway.		20
CF10IW-X	Coupler fitting for use with LD10 Raceway.		10
RAF3IW-E	Right angle fitting for use with LD3 Raceway.		20
RAF5IW-E	Right angle fitting for use with LD5 Raceway.		20
RAF10IW-X	Right angle fitting for use with LD10 Raceway.		10
ICF3IW-E	Inside corner fitting for use with LD3 Raceway.		20
ICF5IW-E	Inside corner fitting for use with LD5 Raceway.		20
ICF10IW-X	Inside corner fitting for use with LD10 Raceway.		10
OCF3IW-E	Outside corner fitting for use with LD3 Raceway.		20
OCF5IW-E	Outside corner fitting for use with LD5 Raceway.		20
OCF10IW-X	Outside corner fitting for use with LD10 Raceway.		10
TF3IW-E	Tee fitting for use with LD3 Raceway.		20
TF5IW-E	Tee fitting for use with LD5 Raceway.		20
TF10IW-X	Tee fitting for use with LD10 Raceway.		10
ECF3IW-E	End cap fitting for use with LD3 Raceway.		20
ECF5IW-E	End cap fitting for use with LD5 Raceway.		20
ECF10IW-X	End cap fitting for use with LD10 Raceway.		10
CRFC5IW-X	Four way cross fitting for use with LD5, LDPH5, and LDS5 Raceway.		10
DCF3IW-X	Drop ceiling/entrance end fitting for use with LD3 Raceway.		10
DCF5IW-X	Drop ceiling/entrance end fitting for use with LD5 Raceway.		10
DCF10IW-X	Drop ceiling/entrance end fitting for use with LD10 Raceway.		10

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray), or WH (White).

continued on page B2.16

Standard Fittings for Low Voltage Applications (continued)

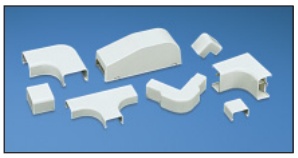


Part Number	Part Description	Color‡	Std. Pkg. Qty.
FBA5IW-X	Fire box adapter for use with LD5/LDPH5 Profile Raceways. Note : For low voltage applications only.	Off White	10
FBA10IW-X	Fire box adapter for use with LD10/LDPH10 Profile Raceways. Note: For low voltage applications only.		10
RF5X3IW-E	Reducer fitting for LD Raceway from size 5 to size 3. For use with LD5 and LD3 Raceway. For in-line terminations, use with CF5**.		20
RF10X3IW-X	Reducer fitting for LD Raceway from size LD10 to size LD3.		10
RF10X5IW-X	Reducer fitting for LD Raceway from size LD10 to size LD5.		10
CA3IW-X	Fits into universal breakout of DCEFX or RAEFX fittings. For use LD3, LDPH3, and LDS3 Raceway.		10
CA5IW-X	Fits into universal breakout of DCEFX or RAEFX fittings. For use LD5, LDPH5, and LDS5 Raceway.		10

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray), or WH (White).

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

Power Rated Fittings for Power to 600 V– LDPH/LDS/LD2P Raceway Only

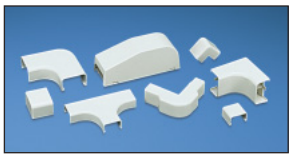


Part Number	Part Description	Color‡	Std. Pkg. Qty.
CFX3IW-X	Coupler fitting for use with LD3, LDPH3, and LDS3 Raceway.	Off White	10
CFX5IW-X	Coupler fitting for use with LD5, LDPH5, and LDS5 Raceway.		10
CFX10IW-X	Coupler fitting for use with LD10, LDPH10, and LD2P10 Raceway.		10
RAFX3IW-X	Right angle fitting for use with LDPH3 and LDS3 Raceway.		10
RAFX5IW-X	Right angle fitting for use with LDPH5 and LDS5 Raceway.		10
RAFX10IW-X	Right angle fitting for use with LDPH10 and LD2P10 Raceway.		10
ICFX3IW-X	Inside corner fitting for use with LDPH3 and LDS3 Raceway.		10
ICFX5IW-X	Inside corner fitting for use with LDPH5 and LDS5 Raceway.		10
ICFX10IW-X	Inside corner fitting for use with LDPH10 and LD2P10 Raceway.		10
OCFC3IW-X	Outside corner fitting for use with LDPH3 and LDS3 Raceway.		10
OCFC5IW-X	Outside corner fitting for use with LDPH5 and LDS5 Raceway.		10
OCFC10IW-X	Outside corner fitting for use with LDPH10 Raceway only.		10
TFX3IW-X	Tee fitting for use with LDPH3 and LDS3 Raceway.		10
TFX5IW-X	Tee fitting for use with LDPH5 and LDS5 Raceway.		10

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray), or WH (White).

continued on page B2.18

Power Rated Fittings for Power to 600 V– LDPH/LDS/LD2P Raceway Only (continued)



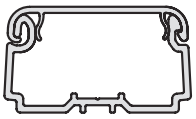
Part Number	Part Description	Color‡	Std. Pkg. Qty.
TFX10IW-X	Tee fitting for use with LDPH10 Raceway only.	Off White	10
CRFX5IW-X	Four way cross fitting for use with LD5, LDPH5, and LDS5 Raceways.		10
ECFX3IW-X	End cap fitting for use with LDPH3 and LDS3 Raceway.		10
ECFX5IW-X	End cap fitting for use with LDPH5 and LDS5 Raceway.		10
ECFX10IW-X	End cap fitting for use with LDPH10 and LD2P10 Raceway.		10
CEFXIW-X	Conduit entrance end fitting.		10
DCEFXIW-X	Drop ceiling/entrance end fitting for use with LD Profile Raceway.		10
RAEFXIW-X	Right angle/entrance end fitting for use with LD Profile Raceway.		10
RFX53IW-X	Reducer fitting for use with LD3, LDPH3, LDS3, LD5, LDPH5 and LDS5 Raceway.		10
RFX103IW-X	Reducer fitting for use with LD3, LDPH3, LD10 and LDPH10 Raceway.		10
RFX105IW-X	Reducer fitting for use with LD5, LDPH5, LD10 and LDPH10 Raceway.		10
CA3IW-X	Fits into universal breakout of DCEFX or RAEFX fittings. For use with LD3, LDPH3 and LDS3 Raceway.		10
CA5IW-X	Fits into universal breakout of DCEFX or RAEFX fittings. For use with LD5, LDPH5 and LDS5 Raceway.		10

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray), or WH (White).

Cable Fill Capacities for LD Profile Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the cable installation methods, straightness of cables, etc.

LD3	LD5	LD10
.21 in.^{2}	.38 in.^{2}	1.00 in.^{2}



LDPH3	LDPH5	LDPH10
.17 in.^{2}	.33 in.^{2}	.89 in.^{2}

SPEC = 40% cable fill – The recommended design in cable capacity, leaves room for future moves, adds, and changes.

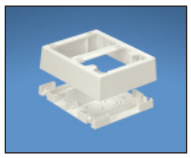
MAX for Data = 60% cable fill – The maximum cable quantity based on cable interweaving and packing factors.

MAX for Power cable fill – The maximum of electrical cables based on UL temperature rise test.

Raceway Type and Configuration	Fill Area (In.^{2})	Electrical Cables			Data Grade Cables	
		14 AWG	12 AWG	10 AWG	24 AWG/UTP CM	
		THHN/T90			Category 6 (4 pr.)	
		.111	.130	.164	DIA. = .250	
		FILL			FILL	
		MAX	MAX	MAX	SPEC	MAX
		(UL Temp Rise Test)			40%	60%
LD3	0.21	—	—	—	1	2
LD5	0.38	—	—	—	3	4
LD10	1.00	—	—	—	8	12
LDPH3	0.17	9	7	4	1	2
LDPH5	0.33	14	12	8	2	4
LDPH10	0.89	18	18	16	7	10

PANDUIT®

PAN-WAY® FAST-SNAP™ Surface Mount Outlet Boxes



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Part Number	Part Description	Color‡	Std. Pkg. Qty.
JB1FSIW-A	Single gang two-piece snap together outlet box with adhesive backing.	Off White	1
JB1FSDIW-A	Single gang two-piece snap together deep outlet box with adhesive backing.		1
JBP2FSIW	Double gang power rated two-piece snap together outlet box.		1

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray) or WH (White).

PAN-WAY® Classic Series Snap-On Faceplates for Communication/Power

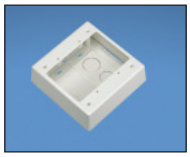
5A LISTED

Part Number	Part Description	Color‡	Std. Pkg. Qty.
T70PIW	Snap-on single gang 106 duplex faceplate.	Off White	1
T70PGIW	Snap-on single gang rectangular faceplate.		1
T70PSIW	Snap-on single gang 106 duplex communication faceplate.		1
T70PGSIW	Snap-on single gang rectangular communication faceplate		1
T70PNIW	Snap-on single gang blank cover faceplate.		1

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray) or WH (White).

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

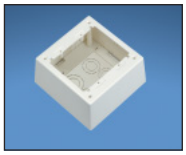
PAN-WAY® Low Voltage Surface Mount Outlet Boxes



Part Number	Part Description	Color‡	Std. Pkg. Qty.
JBX3510IW-A	Single gang two-piece snap together outlet box with adhesive backing.	Off White	1
JB1IW-A	Single gang one-piece outlet box with adhesive backing.		1
JB1DIW-A	Single gang one-piece deep outlet box with adhesive backing.		1
JBP2IW	Double gang two-piece screw together outlet box.		1
JBP2DIW	Double gang two-piece screw together deep outlet box		1
RJBX3510IW	Single gang two-piece screw together round outlet box.		1
JBA-X	In-wall box adapter. Adapts single gang surface mount outlet boxes to in-wall conduit boxes.	—	10
JB1FSIW-A	Single gang two-piece snap together outlet box with adhesive backing.	Off White	1

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray) or WH (White).

PAN-WAY® Power Rated Surface Mount Outlet Boxes



Part Number	Part Description	Color‡	Std. Pkg. Qty.
JBP1IW	Single gang two-piece screw together outlet box.	Off White	1
JBP2IW	Double gang two-piece screw together outlet box.		1
JBP1DIW	Single gang two-piece screw together deep outlet box.		1
JBP2DIW	Double gang two-piece screw together deep outlet box.		1
JBP1EIW	Single gang two-piece screw together extension outlet box.		1
JBP1IIW	Single gang two-piece screw together intermediate outlet box.		1
PSJBXIW	Single gang two-piece snap together power source box.		1
PRJBX36IW	Single gang two-piece screw together round outlet box.		1
JBD1	Single gang pass-through divider.		1
JBP2SIW	Double gang two-piece screw together divided outlet box.		1
JBD2	Double gang pass-through divider.		1
JBP2FSIW	Double gang power rated two-piece snap together outlet box.		1
RJBX3510IW	Single gang two-piece screw together round outlet box.		1
JBP1MR20IW	20 A rectangular low profile box with 20 A electrical outlet.		1
JBP1MD20IW	20 A 106 duplex low profile box with 20 A electrical outlet.		1

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray) or WH (White).

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

PAN-WAY® Classic Series Power and Communication Faceplates

Part Number	Part Description	Color‡	Std. Pkg. Qty.
CP106IW	Screw-on single gang 106 duplex faceplate.	Off White	1
CP106IW-2G	Screw-on double gang 106 duplex faceplate.		1
CPGIW	Screw-on single gang rectangular faceplate.		1
CPGIW-2G	Screw-on double gang rectangular faceplate.		1

‡For other colors, replace IW (Off White) with EI (Electric Ivory), IG (International Gray) or WH (White).
All faceplates supplied with mounting screws.

PAN-WAY® Electrical Outlets

Part Number	Part Description	Color‡	Std. Pkg. Qty.
EDU20IW-X	20 A specification grade 106 duplex outlet.	Off White	10
ERU20IW-X	20 A specification grade rectangular outlet.		10
ETU20IW-X	20 A specification grade TVSS rectangular outlet (transient voltage surge suppressor).		10
EGU20IW-X	20 A specification grade GFCI rectangular outlet (ground fault circuit interrupter).		10

‡For other colors, replace IW (Off White) with EI (Electric Ivory).
All outlets supplied with mounting screws.

Selection Chart for using *PAN-WAY*® Non-Metallic Surface Raceway with *PAN-WAY*® Non-Metallic Surface Mount Outlet Boxes

How to use this chart:

1. Locate the desired *PAN-WAY*® Raceway in the left column.
2. Locate the desired *PAN-WAY*® Outlet Box in the top row.
3. Match up the raceway with the outlet box to see if they are compatible. (Y = yes, N = no).
4. Select correct surface mount outlet box.

PAN-WAY® Surface Mount Outlet Boxes									
	Low Voltage or Fiber Optic ONLY	Power, Low Voltage or Fiber Optic							
	JB1 JB1D JB1FS JBX3510	RJBX3510	JBP1	JBP1D	JBP1E	JBP1I JBP2	JBP2S JBP2D JBP2FS	JPB1MR20 JBP1MD20	PSJBX
TYPE LD (Low Voltage or Fiber Optic ONLY)									
LD3	Y	Y	Y	Y	Y	Y	Y	N	Y
LD5	Y	Y	Y	Y	Y	Y	Y	N	Y
LD10	Y	Y	Y	Y	Y	Y	Y	N	Y
TYPE LDPH (Power, Low Voltage, or Fiber Optic)									
LDPH3	Y	Y	Y	Y	Y	Y	Y	Y	Y
LDPH5	Y	Y	Y	Y	Y	Y	Y	Y	Y
LDPH10	Y	Y	Y	Y	Y	Y	Y	Y	Y
TYPE LDS (Power, Low Voltage, or Fiber Optic)									
LDS3	Y	Y	Y	Y	Y	Y	Y	Y	Y
LDS5	Y	Y	Y	Y	Y	Y	Y	Y	Y
TYPE LD2P10 (Power, Low Voltage, or Fiber Optic)									
LD2P10	N	N	N	Y with JBD1	N	N	Y	N	N
TYPE T-45 (Power, Low Voltage, or Fiber Optic)									
T-45	Y (JB1FS and JBX3510)	N	N	Y	N	N	Y	N	N

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

PAN-POLE™ Power Pole

- Dual channel aluminum pole is equipped with pre-terminated electrical outlets and provides channel separation for the installation of communication cabling and modules; supplied with a non-metallic cover
- UL and CSA rated 600 V
- Electrical outlets are pre-wired

Part Number	Part Description	Raceway Size	Color‡	Length (ft)	Std. Pkg. Qty.
PCPA11R20IWY	Dual-channel aluminum pole for routing both power and low voltage communication cabling.	2.90" (W) x 11' (H)	Off White	11	1
PCPA13R20IWY	Dual-channel aluminum pole for routing both power and low voltage communication cabling.	2.90" (W) x 13' (H)		13	1

Communication components sold separately.
‡For other colors replace IW (Off White) with EI (Electric Ivory).

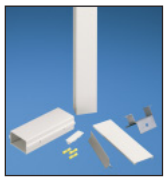
PAN-POLE™ Communication Pole

- Single channel aluminum pole for routing low voltage communication cabling only
- Supplied with a non-metallic cover

Part Number	Part Description	Raceway Size	Color‡	Length (ft)	Std. Pkg. Qty.
PCPA11IW	Single-channel aluminum pole for routing communication cabling only.	2.90" (W) x 11' (H)	Off White	11	1
PCPA13IW	Single-channel aluminum pole for routing communication cabling only.	2.90" (W) x 13' (H)		13	1

Communication components sold separately.
‡For other colors replace IW (Off White) with EI (Electric Ivory).

PAN-POLE™ Extension Kits, Power Addition Kits with Standard Faceplate Bracket and Replacement Parts



- Power pole extension kits extend the 11' power pole to 22' or the 13' power pole to 16'
- Power addition kits (UL listed for field installation) provide for the addition of power outlets to the *PANDUIT* Power and Communication Pole
- *PAN-POLE*™ Replacement Parts include bend radius control ramp with 2 screws, T-bar brackets with 1 thumb screw, 1 ceiling trim plate, 2 pieces, and 1 end cap with floor grip pad

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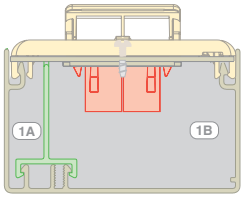
Part Number	Part Description	Color‡	Std. Pkg. Qty.
PCPAK16IW	*PAN-POLE*™ Extension Kit. To extend the 13' pole to 16'. Extension kit includes: fully assembled 3' pole with brace/coupler, additional wiring and screws. NOTE: Customer needs to purchase a separate standard 13' pole to make the required length.	Off White	1
PCPAK22IW	*PAN-POLE*™ Power Extension Kit. To extend the 11' pole to 22'. Kit includes: fully assembled 11' pole with brace/coupler, additional wiring and screws. Note: Customer needs to purchase a separate standard 11' pole to make the required length.		1
PCPAKR20IW	Power addition kit includes 20 A rectangular outlet with two mounting screws, outlet mounting bracket with one mounting screw and snap-on faceplate.		1
PCPAKRIW	Power addition kit includes outlet mounting bracket with one mounting screw and snap-on faceplate. *Rectangular power outlet purchased separately.*		1
T70SDB-X	Standard faceplate bracket. Used to mount NEMA standard 70mm single gang screw-on faceplates.	Gray	10
PCPKITIW	Replacement kit includes: Bend radius control ramp, two thumb screws, one two-piece ceiling trim plate, and one end cap with floor grip pad. Also available in EI (Electric Ivory).	Off White	1
PCPTPIW	Replacement ceiling trim plate.		1
PCPECIW	Replacement end cap with floor grip pad. Also available in EI (Electric Ivory).		1
PCPBRC	Replacement bend radius control ramp with T-bar bracket for attaching pole to T-bar. Includes mounting screws.	Gray	1

‡For other colors replace IW (Off White) with EI (Electric Ivory).
When purchasing Power Addition Kit with 20A outlet, use with *PAN-POLE*™ Power Pole, PCPA11R20IW and PCPA13R20IW.
When purchasing Power Addition Kit without outlet, rectangular power outlet needs to be purchased separately. Use with *PAN-POLE*™ Power Pole, PCPA11R20EI and PCPA13R20EI.
All product color is (IW) Off White for extension kits only.

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

Cable Fill Capacities for *PAN-POLE*™ Power and Communication Pole

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the cable installation methods, straightness of cables, etc.



A = .47 in.²	A = 2.75 in.²

Cable fill 1: Power pole with data terminals using vertical sloped snap-on communication faceplate.

SPEC = 40% cable fill – The recommended design in cable capacity, leaves room for future moves, adds, and changes.

MAX for Data = 60% cable fill – The maximum cable quantity based on cable interweaving and packing factors.

MAX for Power cable fill – The maximum of electrical cables based on UL temperature rise test.

Raceway Type and Configuration		Fill Area (In.²)	Electrical Cables			Data Grade Cables	
			14 AWG	12 AWG	10 AWG	23/24 AWG/UTP CM	
			THHN/T90			Category 6 (4 pr.)	
			0.111	0.130	0.164	DIA. = .250	
			FILL			FILL	
			MAX	MAX	MAX	SPEC	MAX
			(UL Temp Rise Test)			40%	60%
1A.	Power and comm.: snap-on face plates (power)	0.47	—	11	—	—	—
1B.	Communication	2.75	—	—	—	22	33

Notes

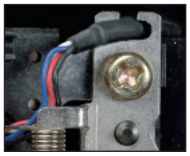
Abrasion Protection

HSTT Heat Shrink 4 ft. Pieces

- 2 to 1 shrink ratio
- 600 V, 275°F (135°C) Max
- Meets Mil-DTL-23053/5 Class 1 or 2

Part Number	Min. Expanded I.D. (In.)	Max. Recovered I.D. (In.)	Nominal Recovered Wall Thickness (In.)	Std. Pkg. Qty.
HSTT05-48-Q	.046	.023	.016	25
HSTT06-48-Q	.063	.031	.017	25
HSTT09-48-Q	.093	.046	.020	25
HSTT12-48-Q	.125	.062	.020	25
HSTT19-48-Q	.187	.093	.020	25
HSTT25-48-Q	.250	.125	.025	25
HSTT38-48-Q	.375	.187	.025	25
HSTT50-48-Q	.500	.250	.025	25
HSTT75-48-5	.750	.375	.030	5
HSTT100-48-5	1.00	.500	.035	5
HSTT150-48-5	1.50	.750	.040	5
HSTT200-48-5	2.00	1.00	.045	5
HSTT300-48-2	3.00	1.50	.050	2
HSTT400-48-2	4.00	2.00	.055	2

HSTTV Heat Shrink 4 ft. Pieces

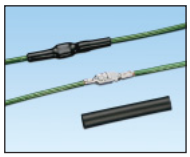


- Meets VW-1 Flame Rating
- Meets MIL-DTL-23053/5 Class 3
- 600 V, 257°F (125°C) Max

Part Number	Min. Expanded I.D. (In.)	Max. Recovered I.D. (In.)	Nominal Recovered Wall Thickness (In.)	Std. Pkg. Qty.
HSTTV05-48-Q	.046	.023	.016	25
HSTTV06-48-Q	.063	.031	.017	25
HSTTV09-48-Q	.093	.046	.020	25
HSTTV12-48-Q	.125	.062	.020	25
HSTTV19-48-Q	.187	.093	.020	25
HSTTV25-48-Q	.250	.125	.025	25
HSTTV38-48-Q	.375	.187	.025	25
HSTTV50-48-Q	.500	.250	.025	25
HSTTV75-48-5	.75	.375	.030	5
HSTTV100-48-5	1.00	.500	.035	5

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

HSTTVA Heat Shrink 4 ft. Pieces



- Adhesive inner lining seals and protects components from moisture and corrosion
- Available in flexible or semi-rigid

DAMP SHRINK HEAT SHRINK IP66

Part Number	Min. Expanded I.D. (In.)	Max. Recovered I.D. (In.)	Nominal Recovered Wall Thickness (In.)	Std. Pkg. Qty.
Flexible (2:1) MIL-DTL-23053/4 CLASS 2				
HSTTVA12-48-Q	.125	.062	.020	25
HSTTVA19-48-Q	.187	.093	.022	25
HSTTVA25-48-Q	.250	.125	.030	25
HSTTVA38-48-Q	.375	.187	.031	25
HSTTVA50-48-5	.500	.250	.032	5
HSTTVA75-48-5	.750	.375	.037	5
HSTTVA100-48-5	1.00	.500	.046	5
HSTTVA150-48-5	1.50	.750	.049	5
Flexible (3:1) MIL-DTL-23053/4 CLASS 3				
HSTTA19-48-Q	.187	.062	.040	25
HSTTA25-48-Q	.250	.080	.040	25
HSTTA38-48-Q	.375	.120	.055	25
HSTTA50-48-5	.500	.160	.070	5
HSTTA75-48-5	.750	.250	.085	5
HSTTA100-48-5	1.00	.320	.100	5
HSTTA150-48-5	1.50	.510	.100	5
Semi-Rigid (2.5:1) MIL-DTL-25053/4 CLASS 1				
HSTTRA12-48-Q	.125	.023	.038	25
HSTTRA19-48-Q	.187	.060	.043	25
HSTTRA25-48-Q	.250	.080	.047	25
HSTTRA38-48-Q	.375	.135	.050	25
HSTTRA50-48-5	.500	.195	.059	5
HSTTRA75-48-5	.750	.313	.065	5
HSTTRA100-48-5	1.00	.400	.075	5

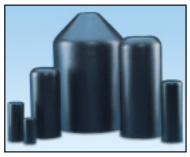
Thick Wall Polyolefin Heat Shrink

- 3 to 1 ratio reduces inventory to 6 sizes for entire range #12 AWG thru 1250 MCM; shrink temp. 250°F (121°C)
- 500 V, 230°F (110°C) Max.
- Tubing suitable for direct burial according to UL 486D

Part Number	Min. Expanded I.D (In.)	Max. Recovered I.D. (In.)	Nominal Recovered Wall Thickness (In.)	Length (In.)	Std. Pkg. Qty.
HST0.4-3-Q	.40	.15	.090	3.00	25
HST0.4-6-3				6.00	3
HST0.4-6-X				6.00	10
HST0.4-48-5				48.00	5
HST0.8-6-3	.80	.26	.110	6.00	3
HST0.8-6-X				6.00	10
HST0.8-9-X				9.00	10
HST0.8-12-5				12.00	5
HST0.8-48-5				48.00	5
HST1.1-6-3	1.10	.37	.120	6.00	3
HST1.1-6-X				6.00	10
HST1.1-9-2				9.00	2
HST1.1-9-X2				9.00	10
HST1.1-12-5				12.00	5
HST1.1-48-5				48.00	5
HST1.5-9-X	1.50	.50	.170	9.00	10
HST1.5-12-1				12.00	1
HST1.5-12-5				12.00	5
HST1.5-48-5				48.00	5
HST2.0-9-5	2.00	.67	.170	9.00	5
HST2.0-12-2				12.00	2
HST2.0-48-2				48.00	2
HST3.0-12-2	3.00	1.00	.170	12.00	2
HST3.0-48-2				48.00	2

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

Heat Shrink End Caps



- Applications include insulating, protecting, bundling and identifying wires and cables
- Adhesive lined inner wall seals and provides excellent protection against moisture

WET SHRINK HEAT SHRINK IP68

Part Number	Min. Expanded I.D. (In.)	Max. Recovered I.D. (In.)	Nominal Recovered Wall Thickness (In.)	Cap Length (In.)	Std. Pkg. Qty.
HSEC0.5-X	.47	.18	.100	1.4	10
HSEC0.8-X	.79	.30	.100	2.1	10
HSEC1.0-X	1.02	.45	.100	3.2	10
HSEC1.5-5	1.58	.68	.110	3.8	5
HSEC2.0-5	2.25	.87	.150	5.5	5
HSEC4.0-2	4.14	1.78	.150	6.9	2
HSECFR0.5-X	.51	.16	.090	3.00	10
HSECFR0.8-X	.75	.24	.090	3.50	10
HSECFR1.0-X	1.10	.35	.120	4.00	10
HSECFR1.5-5	1.50	.47	.160	4.50	5
HSECFR2.0-5	2.00	.63	.160	4.50	5

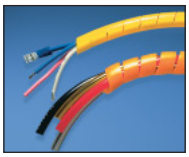
Duct Seal – Sealing Compounds

- Seals irregular openings from air, dust, or water
- Non-hardening sealant that adheres to metal, masonry, wood or plastic
- Meets the requirements of UL 514A (paragraph 27.15) – electrical outlet box cover water seal

Part Number	Material	Weight	Temperature Range	Std. Pkg. Qty.
DS1	Oil Based Compound	1 lb.	-30°F – 190°F (-34°C – 88°C)	1
DS5	Oil Based Compound	5 lbs.	-30°F – 190°F (-34°C – 88°C)	1

Minimum installation: 10°F (-12°C).
No asbestos.

Spiral Wrap

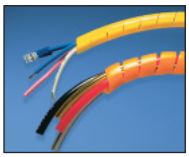


- Harness multiple cables into a single manageable bundle
- Allows breakouts of single/multiple cables
- Provides protection for cables

Part Number	Color	Outside Diameter (In.)	Bundle Diameter Range (In.)	Std Pkg. Qty.*
Polyethylene				
T12F-C	Natural	.12	1/16 – 1/2	1
T25F-C	Natural	.25	3/16 – 2	1
T25F-C3Y	Orange	.25	3/16 – 2	1
T25F-C4Y	Yellow	.25	3/16 – 2	1
T38F-C	Natural	.38	5/16 – 3	1
T50F-C	Natural	.50	3/8 – 4	1
T50F-C3Y	Orange	.50	3/8 – 4	1
T50F-C4Y	Yellow	.50	3/8 – 4	1
T62F-C	Natural	.62	1/2 – 4 1/2	1
T75F-C	Natural	.75	5/8 – 5	1
T100F-C	Natural	1.00	7/8 – 6	1
UL94V-0 Flame Retardant Polyethylene**				
T12FR-C	Natural	.12	1/16 – 1/2	1
T25FR-C	Natural	.25	3/16 – 2	1
T25FR-C20	Black	.25	3/16 – 2	1
T38FR-C	Natural	.38	5/16 – 3	1
T50FR-C	Natural	.50	3/8 – 4	1
T50FR-C20	Black	.50	3/8 – 4	1
T62FR-C	Natural	.62	1/2 – 4 1/2	1
T75FR-C	Natural	.75	5/8 – 5	1
T100FR-C	Natural	1.00	7/8 – 6	1

*Order number of reels required.
**Flame retardant products are manufactured from a material that is rated UL94V-0.

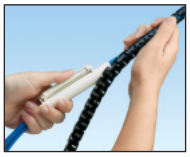
Spiral Wrap (continued)



Part Number	Color	Outside Diameter (In.)	Bundle Diameter Range (In.)	Std Pkg. Qty.*
Nylon				
T12N-C	Natural	.12	1/16 – 1/2	1
T25N-C	Natural	.25	3/16 – 2	1
T25N-C0	Black	.25	3/16 – 2	1
T38N-C	Natural	.38	5/16 – 3	1
T50N-C	Natural	.50	3/8 – 4	1
T50N-C0	Black	.50	3/8 – 4	1
T62N-C	Natural	.62	3/8 – 4	1
T75N-C	Natural	.75	1/2 – 4 1/2	1
T100N-C	Natural	1.00	5/8 – 5	1
Teflon				
T12T-C	Natural	.12	1/16 – 1/2	1
T25T-L	Natural	.25	3/16 – 2	1
T50T-Q	Natural	.50	3/8 – 4	1
T75T-X	Natural	.75	5/8 – 5	1
T100T-X	Natural	1.00	7/8 – 6	1

*Order number of reels required.

PAN-WRAP™ Split Harness Wrap



- Patented slot pattern provides improved flexibility and abrasion protection in any application
- Unique wall design provides for easy cable breakouts
- Innovative design maintains uniform bundle protection in dynamic applications

Part Number**	Color	Max. Bundle Dia. (In.)	Min. Bundle Diameter (In.)‡	Nominal I.D. (In.)	Std. Pkg. Qty.*
PW50F-T20	Black	.55	.43	.50	1
PW50F-T	Natural	.55	.43	.50	1
PW50FR-T	Natural	.55	.43	.50	1
PW50FR-T20	Black	.55	.43	.50	1
PW75F-C20	Black	.81	.55	.75	1
PW75F-C	Natural	.81	.55	.75	1
PW75FR-C	Natural	.81	.55	.75	1
PW75FR-C20	Black	.81	.55	.75	1
PW100F-C	Natural	1.13	.81	1.00	1
PW100F-C20	Black	1.13	.81	1.00	1
PW100FR-C	Natural	1.13	.81	1.00	1
PW100FR-C20	Black	1.13	.81	1.00	1
PW150F-L	Natural	1.63	1.13	1.500	1
PW150F-L20	Black	1.63	1.13	1.500	1
PW150FR-L	Natural	1.63	1.13	1.500	1
PW150FR-L20	Black	1.63	1.13	1.500	1

‡Diameter can be further reduced with the use of cable ties.
*Order number of reels required.
**Flame retardant products are manufactured from a material that is rated UL94V-0.

PAN-WRAP™ Installation Tools

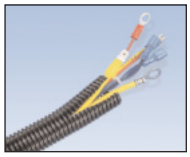
- Patented installation tool with 180° opening allows easy loading of maximum bundle diameters to speed installation, providing the lowest installed cost

Part Number	Color	For Use With	Std. Pkg. Qty.**
PWT50	White	PW50F–	1
PWT75	White	PW75F–	1
PWT100	White	PW100F–	1
PWT150	White	PW150F–	1

**Order number of tools required.

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

Corrugated Loom Tubing

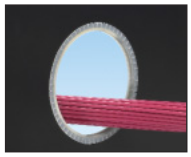


- Contains and organizes loose and bundled wiring harnesses
- Slit product available for easy insertion and removal of wires
- Material: Polyethylene

Part Number	Color	Inside Diameter (In.)	Outside Diameter (In.)	Std. Pkg. Qty.*
Slit				
CLT25F-C3	Orange	.27	.39	1
CLT25F-C20	Black	.27	.39	1
CLT38F-C3	Orange	.41	.56	1
CLT38F-C20	Black	.41	.56	1
CLT50F-C3	Orange	.51	.67	1
CLT50F-C20	Black	.51	.67	1
CLT75F-C3	Orange	.76	.94	1
CLT75F-C20	Black	.76	.94	1
CLT100F-C3	Orange	.92	1.09	1
CLT100F-C20	Black	.92	1.09	1
CLT125F-L3	Orange	1.29	1.50	1
CLT125F-L4	Yellow	1.29	1.50	1
CLT125F-L20	Black	1.29	1.50	1
CLT150F-X3	Orange	1.55	1.86	1
CLT150F-X4	Yellow	1.55	1.86	1
CLT150F-X20	Black	1.55	1.86	1
CLT188F-X3	Orange	1.88	2.17	1
CLT188F-X4	Yellow	1.88	2.17	1
CLT188F-X20	Black	1.88	2.17	1
Solid				
CLTS25F-C3	Orange	.28	.39	1
CLTS25F-C	Black	.28	.39	1
CLTS38F-C3	Orange	.42	.56	1
CLTS38F-C	Black	.42	.56	1
CLTS50F-C3	Orange	.51	.67	1
CLTS50F-C	Black	.51	.67	1
CLTS75F-C3	Orange	.76	.94	1
CLTS75F-C	Black	.76	.94	1
CLTS100F-C3	Orange	.92	1.09	1
CLTS100F-C	Black	.92	1.09	1
CLTS125F-L3	Orange	1.29	1.50	1
CLTS125F-L	Black	1.29	1.50	1
CLTS150F-D3	Orange	1.48	1.73	1

*Reel packaging may contain splices. Contact Customer Service for further information.

Grommet Edging



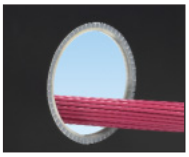
- Eliminates abrasion of wire insulation as it passes over sharp edges
- For indoor use only

Part Number**	Panel Thickness Range	Color	Length (ft)	Std. Pkg. Qty.*
Natural Polyethlene – Slotted Wall				
GEE36F-C	.026 – .036	Natural	100	1
GEE62F-C	.036 – .062			1
GEE99F-C	.062 – .099			1
GEE144F-C	.099 – .144			1
Natural Polyethylene – Solid Wall				
GES36F-C	.026 – .036	Natural	100	1
GES62F-C	.036 – .062			1
GES99F-C	.062 – .099			1
GES144F-C	.099 – .144			1
Natural Polyethylene with Adhesive – Slotted Wall				
GEE62F-A-C	.036 – .062	Natural	100	1
GEE99F-A-C	.062 – .099			1
GEE144F-A-C	.099 – .144			1
Natural Polyethylene with Adhesive – Solid Wall				
GES62F-A-C	.036 – .062	Natural	100	1
GES99F-A-C	.062 – .099			1
GES144F-A-C	.099 – .144			1
Flame Retardant Polyethlene – Slotted Wall				
GEE36FR-C	.026 – .036	Natural	100	1
GEE62FR-C	.036 – .062			1
GEE99FR-C	.062 – .099			1
GEE144FR-C	.099 – .144			1
Flame Retardant Polyethlene – Solid Wall				
GES36FR-C	.026 – .036	Natural	100	1
GES62FR-C	.036 – .062			1
GES99FR-C	.062 – .099			1
GES144FR-C	.099 – .144			1

*Order number of reels required.
**Flame retardant products are manufactured from a material that is rated UL94V-0.

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

Grommet Edging (continued)



Part Number**	Panel Thickness Range	Color	Length (ft)	Std. Pkg. Qty.*
Nylon 6.6 – Slotted Wall				
GEE47N-C	.039 – .055	Natural	100	1
GEE55N-C	.047 – .063			1
GEE71N-C	.063 – .079			1
GEE98N-C	.091 – .106			1
GEE134N-C	.126 – .142			1
Nylon 6.6 (Mil Spec 21266) – Slotted Wall				
GE52-C	.015 – .052	Natural	12.75	100
GE85-C	.052 – .085			100
GE128-C	.085 – .128			100
GE255-L	.192 – .255			50
GE318-L	.255 – .318			50
GE380-Q	.318 – .380			25
GE510-Q	.380 – .510			25

*Order number of reels required.
**Flame retardant products are manufactured from a material that is rated UL94V-0.

Braided Expandable Sleeving – Polyethylene Terephthalate (PET)

- Provides continuous abrasion resistance for wires, cables, and tubing
- Lightweight durable protection
- For indoor use only

Part Number**	Nominal I.D. (In.)	Nominal Diameter Range (In.)	Std. Pkg. Qty.
SE12P-TR0	.12	.094 – .250	1
SE25P-TR0	.25	.125 – .375	1
SE38P-TR0	.38	.188 – .625	1
SE50P-CR0	.50	.250 – .750	1
SE75P-CR0	.75	.500 – 1.25	1
SE125P-LR0	1.25	.750 – 1.50	1
SE150P-LR0	1.50	1.00 – 2.25	1
SE12PFR-TR0	.12	.094 – .250	1
SE25PFR-TR0	.25	.125 – .375	1
SE38PFR-TR0	.38	.188 – .625	1
SE50PFR-CR0	.50	.250 – .750	1
SE75PFR-CR0	.75	.500 – 1.25	1
SE125PFR-LR0	1.25	.750 – 1.50	1
SE150PFR-LR0	1.50	1.00 – 2.25	1

**Flame retardant products are manufactured from a material that is rated UL94V-0.

Fray-Resistant Braided Expandable Sleeving

- Fray-resistant design resists fraying when cut with scissors
- Provides continuous abrasion protection resistance for wires, cables, and tubing
- For indoor use only

Part Number	Nominal I.D. (In.)	Nominal Diameter Range (In.)	Std. Pkg. Qty.
SE12PSC-TR0	.12	.125 – .250	1
SE25PSC-TR0	.25	.156 – .438	1
SE38PSC-TR0	.38	.187 – .625	1
SE50PSC-CR0	.50	.250 – .750	1
SE75PSC-CR0	.75	.625 – 1.00	1
SE125PSC-LR0	1.25	1.00 – 1.50	1
SE150PSC-LR0	1.50	1.25 – 2.00	1

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

PAN-TERM® Terminals

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

UL LISTED CSA CERTIFIED

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.

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.**
PV18-10RX-CY	#10	22 – 18 AWG	Red	CT-100‡, CT-600‡, CT-1550‡, CT-1551‡	100
PV14-10RX-C	#10	16 – 14 AWG	Blue		100
PV10-10RX-L	#10	12 – 10 AWG	Yellow		50
PV10-14RX-L	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.

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.

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

LISTED CERTIFIED

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.

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

UL LISTED CSA CERTIFIED

Part Number	Stud Size	Wire Range	Tool	Std. Pkg. Qty.**
P22-4F-C*	#4	26 – 22 AWG	CT-100, CT-200	100
P18-6FN-C*	#6	22 – 18 AWG	CT-100‡, CT-200‡, CT-600‡, CT-1570‡	100
P18-6F-C	#6			100
P18-8F-C	#8			100
P18-10F-C	#10			100
P14-6F-C	#6	16 – 14 AWG	CT-100‡, CT-200‡, CT-600‡, CT-1570‡	100
P14-8F-C	#8			100
P14-10F-C	#10			100
P10-6F-L	#6	12 – 10 AWG	CT-100‡, CT-200‡, CT-600‡, CT-1570‡, CT-1701‡	50
P10-8F-L	#8			50
P10-10F-L	#10		CT-100‡, CT-200‡, CT-600‡, CT-1570‡, CT-1701‡	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.

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.**
PV18-6LF-CY	#6	22 – 18 AWG	Red	CT-100‡, CT-600‡, CT-1550‡, CT-1551‡	100
PV18-8LF-CY	#8				100
PV18-10LF-CY	#10				100
PV14-6LF-C	#6	16 – 14 AWG	Blue	CT-100‡, CT-600‡, CT-1550‡, CT-1551‡	100
PV14-8LF-C	#8				100
PV14-10LF-C	#10				100
PV10-6LF-L	#6	12 – 10 AWG	Yellow	CT-100‡, CT-600‡, CT-1550‡, CT-1551‡	50
PV10-8LF-L	#8				50
PV10-10LF-L	#10				50
PV10-14LF-L	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.**
P18-6LF-C	#6	22 – 18 AWG	CT-100‡, CT-200‡, CT-600‡, CT-1570‡	100
P14-6LF-C	#6	16 – 14 AWG	CT-100‡, CT-200‡, CT-600‡, CT-1570‡	100
P10-10LF-L	#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.

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

PAN-TERM® Disconnects

Female Disconnect Nylon Fully Insulated – Funnel Entry

- Insulation support helps to prevent wire damage in bending applications
- Internal wire stop assures proper length of insertion into terminal barrel

UL LISTED CSA CERTIFIED

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
DNF18-250FIB-C	.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
DNF14-250FIB-C	.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.

Female Disconnect, Vinyl Barrel Insulated – Butted Seam

- Insulation support helps to prevent wire damage in bending applications

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
DV18-250B-CY	.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
DV14-250B-C*	.250 x .032				100
DV10-250-L*	.250 x .032	12 – 10 AWG	Yellow	CT-1550^, CT-1551^	50

*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.

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.**
D18-250B-C	.250 x .032	22 – 18AWG	CT-100	100
D14-250B-C	.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 Disconnect, Nylon Barrel Insulated – Funnel Entry

- Metal insulation grip sleeve crimps to wire insulation providing protection to the crimp joint during high vibration applications

CERTIFIED

Part Number	Tab Size (In.)	Wire Range	Color Code	Tool	Std. Pkg. Qty.**
DNF18-250M-C	.250 x .032	22 – 18 AWG	Red	CT-1550, CT-1551	100
DNF14-250M-C	.250 x .032	16 – 14 AWG	Blue		100
DNF10-250M-L*	.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

CERTIFIED

Part Number	Tab Size (In.)	Wire Range	Color Code	Tool	Std Pkg. Qty.**
DV18-250MB-CY	.250 x .032	22 – 18 AWG	Red	CT-1550, CT-1551	100
DV14-250MB-C	.250 x .032	16 – 14 AWG	Blue		100
DV10-250M-L*	.250 x .032	12 – 10 AWG	Yellow		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.

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.**
D18-250MB-C	.250 x .032	22 – 18 AWG	CT-100	100
D14-250MB-C	.250 x .032	16 – 14 AWG	CT-100	100
D10-250M-L*	.250 x .032	12 – 10 AWG	CT-100, CT-200, CT-260, CT-1570	50

*Brazed seam.
**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.

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

LISTED CERTIFIED

Part Number	Wire Range	Color Code	Tool	Std. Pkg. Qty.**
BSN22-C*	26 – 22 AWG	Yellow	CT-100, CT-1525	100
BSN18-C	22 – 18 AWG	Red	CT-100, CT-600, CT-1550, CT-1551	100
BSN14-C	16 – 14 AWG	Blue		100
BSN10-L	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

LISTED CERTIFIED

Part Number	Wire Range	Color Code	Tool	Std. Pkg. Qty.**
BSV18X-CY	22 – 18 AWG	Red	CT-100, CT-600, CT-1550, CT-1551	100
BSV14X-C	16 – 14 AWG	Blue		100
BSV10X-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.

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.**
BS22-C*	26 – 22 AWG	CT-100	100
BS18-C	22 – 18 AWG	CT-100, CT-200, CT-600, CT-1570	100
BS14-C	16 – 14 AWG		100
BS10-L	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.**
PSN18-C	22 – 18 AWG	Red	CT-100, CT-1525	100
PSN16-C	20 – 16 AWG	Blue		100
PSN12-L	14 – 12 AWG	Yellow		50

**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

LISTED CERTIFIED

Part Number	Wire Range	Tool	Std. Pkg. Qty.**
PS18-C	22 – 18 AWG	CT-100, CT-200	100
PS16-C	20 – 16 AWG		100
PS12-L	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.

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 Min.	CMA Range Max.	Tool	Std. Pkg. Qty.**
JN224-318-C	(2) #24 – (2) #16	Red	808	5160	CT-1550‡, CT-1551‡	100
JN218-216-C	(2) #22 – (2) #16	Clear	1284	5160		100
JN418-212-C	(4) #18 – (2) #12	Clear	6480	14750	CT-100‡, CT-1550‡, CT-1551‡	100
JN314-412-C*	(3) #14 – (4) #12	Clear	10320	26120	CT-100‡, CT-160‡, CT-260‡	100

*Not UL Listed.
**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 Min.	CMA Range Max.	Tool	Std. Pkg. Qty.**
J214-312-T	(2) #14 – (3) #12	5760	19590	CT-100‡, CT-200‡	200
J318-412-T	(3) #18 – (4) #12	4860	27330		200
J216-410-L*	(2) #16 – (4) #10	5160	41600		50

*Part number J216-410, is not UL Listed or CSA Certified.
**To order in bulk, replace -T in the part number with -2M for a bulk package of 2000 and replace -L with -D for a bulk package of 500.
‡UL and CSA approved tooling/product combinations.

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.
KP-1075	Terminal kit without crimping tool. Includes the following: (20) PV18-8R; PV18-6F; PV14-8F; PV14-10R; (10) PV10-8R; PV10-10R; DNF14-250; DNF18-250; BSV18X; BSV14X; BSV10X; (5) JN418-212.	1
KP-1165Y	Includes the following: (18) PV18-8R; PV14-10R; PV18-6F; PV14-8F; (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.
K-1000	Empty steel box, 20 terminal compartments and 1 tool compartment, measures 13 21/64" wide x 9 21/64" deep x 2" high • Latch prevents accidental opening • Handle for portability or as drawer pull when used in rack • Drop-in label area on front	1
K-1102	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
K-1104	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

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.
K1-PNKIT	Kit contains: (1) K-1001 steel kit box (1) CT-260 installation tool Cable Ties (100) PLT2S cable ties Terminals (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 Disconnects (100) DNF18-250 disconnects (100) DNF14-250 disconnects (50) DV10-250 disconnects Splices (50) BSN18 butt splices (50) BSN14 butt splices (25) BSN10 butt splices Marking System (1) PMD-0-9 marking dispenser and tape (100) MP150 marker tags (1) PX-0 marker	1
K2-PVKITY	Kit contains: (1) K-1001 steel kit box (1) CT-260 installation tool Cable Ties (100) PLT2S cable ties Terminals (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 Disconnects (100) DNF18-250 disconnects (100) DV14-250B disconnects (50) DV10-250 disconnects Splices (50) BSV18X butt splices (50) BSV14X butt splices (25) BSV10X butt splices Wire Joints (30) JN224-318 (15) JN314-412 Marking System (1) PMD-0-9 marking dispenser and tape	1

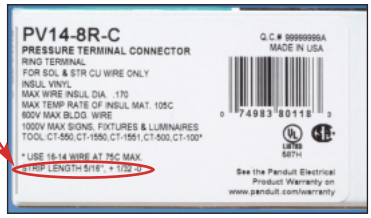
Order number of pieces required, in multiples of Standard Package Quantity.

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

A. Locate terminal in appropriate size color coded crimp die pocket with tool centered on insulation sleeve. *(See Note 1, page C1.21)*

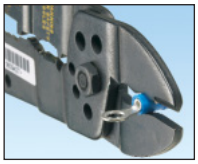
B. Rotate terminal so tongue is level with crimp die.

C. Insert properly stripped wire into terminal until a minimum of 1/32" of wire extends beyond the terminal barrel.

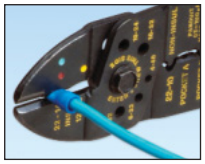
D. Squeeze tool handles firmly to perform the electrical crimp. *(See Note 2, page C1.21)*

E. 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 C1.21)*

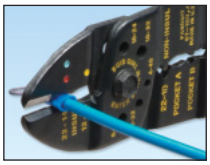
Step A



Step B



Steps C and D



Step E

Complete Crimp

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

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

Non-Insulated Terminals and Disconnects

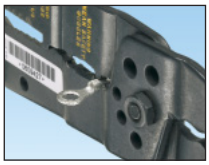
A. Locate terminal in appropriate wire gauge crimp die pocket with indenter centered on barrel seam.

B. Rotate terminal so tongue is level with crimp die.

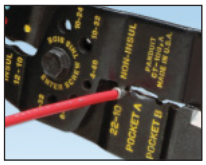
C. Insert properly stripped wire (based on recommendations on package label) into terminal until a minimum of 1/32" of wire extends beyond the terminal barrel.

D. Squeeze tool handles firmly to perform the electrical crimp. *(See Note 2, page C1.21)*

Step A



Step B



Steps C and D

Complete Crimp

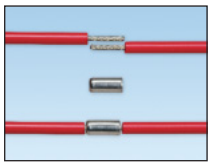
Insulated and Non-Insulated Parallel Splices

A. Locate parallel splice in appropriate wire gauge crimping die pocket and position tool on the center of the splice.

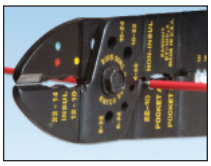
B. Insert properly stripped wire (based on recommendations on package label) into each end of the parallel splice.

C. Squeeze tool handles firmly. *(See Note 2, page C1.21)*

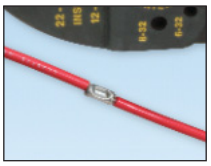
D. An insulation crimp is not required on an insulated parallel splice.



Steps A and B



Steps C and 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 C1.21)*

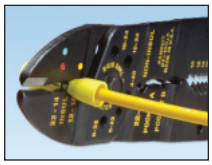
B. Insert properly stripped wire (based on recommendations on package label) into one end of butt splice.

C. Squeeze tool handles firmly to perform the electrical crimp. *(See Note 2, page C1.21)*

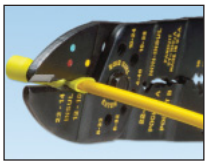
D. Provide second crimp on the flared portion of the insulation housing to close the insulation. Caution: When using plier type crimping tools, do not squeeze as firmly as you did for the electrical crimp. *(See Note 3, page C1.21)*

E. Repeat steps one to four for opposite end of butt splice.

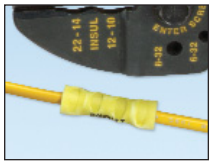
Steps A and B



Steps C



Step D and E



Complete Crimp

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

Insulated and Non-Insulated Wire Joints

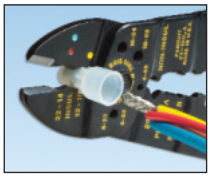
A. Properly strip wires per manufacturer's recommendations on product package label.

B. Twist stripped wire ends together, and insert wires into wire joint.

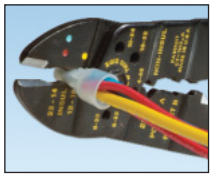
C. Locate wire joint in appropriate wire gauge crimp die pocket and position crimp in the center of the metal insert.

D. Squeeze tool handles firmly to perform the electrical crimp. *(See Note 2 below)*

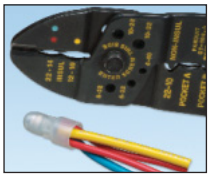
Note: An insulation crimp is not required on an insulated wire joint.



Steps 1 and 2



Steps 3 and 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

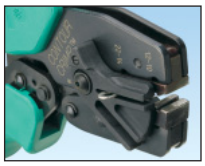
A. Make sure the terminal barrel is centered correctly in the right die pocket by using the product locator on the backside of the tool.

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.

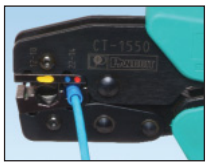
D. Insert the wire and complete cycle to perform the electrical and insulation crimp simultaneously.

E. Crimp complete.

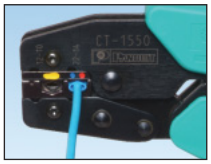


Step A

Step B



Step C

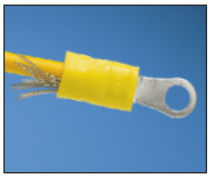


Step D

Complete Crimp

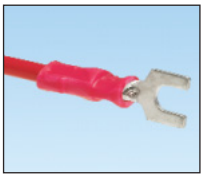
6. Inspect the crimp

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

Terminal Installation Tools

Hand Operated Plier Type Tools

- Installer controlled crimp
- General purpose
- Plier type crimp for #22 – #10 AWG insulated and non-insulated terminal products

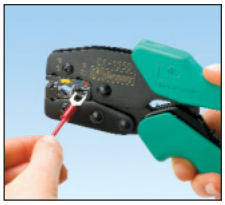
Part Number	Part Description	Std. Pkg. Qty.
CT-260	Crimps most *PANDUIT* #22 – #10 AWG insulated and non-insulated terminals. Forged steel tool. Cuts wire.	1
CT-200	Crimps most *PANDUIT* #22 – #10 AWG non-insulated terminals, disconnects and splices. Forged steel tool. Cuts wire.	1
CT-160	Crimps most *PANDUIT* #22 – #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 *PANDUIT* #22 – #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

Cable Stripping Tool

- Strips and cuts #20 – #10 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.
CST115	Plier nose wire stripper.	1

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

Part Number	Part Description	Std. Pkg. Qty.
CT-1525	Crimps *PANDUIT* #26 – #22 AWG insulated terminals and splices, #22 – #10 AWG fully insulated disconnects and insulated parallel splices. Crimps *PANDUIT* #22 – #14 AWG barrel insulated disconnects.	1
CT-1550	Crimps most *PAN-TERM*® #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 *PAN-TERM*® #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 *PAN-TERM*® #22 – #10 AWG and .5-6.0mm² non-insulated terminals and disconnects. Crimps *PANDUIT* #22 – #10 AWG and .5-6.0mm² non-insulated splices, and #10 AWG compression lugs.	1
CT-1700	Crimps *PANDUIT* #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 5 position, color coded rotating die.	1
CT-1701	Crimps *PANDUIT* #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

Controlled Cycle Crimping Tools

- Specialty 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 *PANDUIT* #22 – #14 AWG fully insulated right angle disconnects (DNFR-FIB series).	1

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

PAN-LUG™ Compression Connectors

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.)	*PANDUIT* Color Code	Die Index No. *PANDUIT*	Die Index No. Burndy	Die Index No. T & B	Std. Pkg. Qty.
LCA8-10-L	#8 AWG	#10	Red	P21	49	21	50
LCA8-14-L		1/4	Red	P21	49	21	50
LCA8-56-L		5/16	Red	P21	49	21	50
LCA8-38-L		3/8	Red	P21	49	21	50
LCA6-10-L	#6 AWG	#10	Blue	P24	7	24	50
LCA6-14-L		1/4	Blue	P24	7	24	50
LCA6-56-L		5/16	Blue	P24	7	24	50
LCA6-38-L		3/8	Blue	P24	7	24	50
LCA4-14-L	#4 – #3 AWG STR, #2 AWG SOL	1/4	Gray	P29	8	29	50
LCA4-56-L		5/16	Gray	P29	8	29	50
LCA4-38-L		3/8	Gray	P29	8	29	50
LCA2-14-Q	#2 AWG	1/4	Brown	P33	10	33	25
LCA2-56-Q		5/16	Brown	P33	10	33	25
LCA2-38-Q		3/8	Brown	P33	10	33	25
LCA2-12-Q		1/2	Brown	P33	10	33	25
LCA1-14-E	#1 AWG	1/4	Green	P37	11	37	20
LCA1-56-E		5/16	Green	P37	11	37	20
LCA1-38-E		3/8	Green	P37	11	37	20
LCA1-12-E		1/2	Green	P37	11	37	20
LCA1/0-14-X	1/0 AWG	1/4	Pink	P42	12	42	10
LCA1/0-56-X		5/16	Pink	P42	12	42	10
LCA1/0-38-X		3/8	Pink	P42	12	42	10
LCA1/0-12-X		1/2	Pink	P42	12	42	10
LCA2/0-14-X	2/0 AWG	1/4	Black	P45	13	45	10
LCA2/0-56-X		5/16	Black	P45	13	45	10
LCA2/0-38-X		3/8	Black	P45	13	45	10
LCA2/0-12-X		1/2	Black	P45	13	45	10

45° and 90° bent lugs are also available as standard parts.

continued on page C2.2

Code Conductor, One-Hole, Standard Barrel with Window Lug (continued)

Part Number	Copper Conductor Size	Stud Hole Size (In.)	*PANDUIT* Color Code	Die Index No. *PANDUIT*	Die Index No. Burndy	Die Index No. T & B	Std. Pkg. Qty.
LCA3/0-14-X	3/0 AWG	1/4	Orange	P50	14	50	10
LCA3/0-56-X		5/16	Orange	P50	14	50	10
LCA3/0-38-X		3/8	Orange	P50	14	50	10
LCA3/0-12-X		1/2	Orange	P50	14	50	10
LCA4/0-56-X	4/0 AWG	5/16	Purple	P54	15	54	10
LCA4/0-38-X		3/8	Purple	P54	15	54	10
LCA4/0-12-X		1/2	Purple	P54	15	54	10
LCA250-56-X	250 kcmil	5/16	Yellow	P62	16	62	10
LCA250-38-X		3/8	Yellow	P62	16	62	10
LCA250-12-X		1/2	Yellow	P62	16	62	10
LCA300-12-X	300 kcmil	1/2	White	P66	17	66	10
LCA350-38-X	350 kcmil	3/8	Red	P71	18	71	10
LCA350-12-X		1/2	Red	P71	18	71	10
LCA400-12-6	400 kcmil	1/2	Blue	P76	19	76	6
LCA500-12-6	500 kcmil	1/2	Brown	P87	20	87	6
LCA600-12-6	600 kcmil	1/2	Green	P94	22	94	6

45° and 90° bent lugs are also available as standard parts.

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

LISTED CERTIFIED

Part Number	Copper Conductor Size	Stud Hole Size (In.)	Stud Hole Spacing (In.)	*PANDUIT* Color Code	Die Index No. *PANDUIT*	Die Index No. Burndy	Die Index No. T & B	Std. Pkg. Qty.
LCD8-10A-L	#8 AWG	#10	.63	Red	P21	49	21	50
LCD8-14A-L		1/4	.63	Red	P21	49	21	50
LCD8-14B-L		1/4	.75	Red	P21	49	21	50
LCD8-14D-L		1/4	1.00	Red	P21	49	21	50
LCD6-10A-L	#6 AWG	#10	.63	Blue	P24	7	24	50
LCD6-14A-L		1/4	.63	Blue	P24	7	24	50
LCD6-14B-L		1/4	.75	Blue	P24	7	24	50
LCD6-14D-L		1/4	1.00	Blue	P24	7	24	50
LCD6-38D-L		3/8	1.00	Blue	P24	7	24	50
LCD4-14A-L	#4 – #3 AWG STR, #2 AWG SOL	1/4	.63	Gray	P29	8	29	50
LCD4-14B-L		1/4	.75	Gray	P29	8	29	50
LCD4-14D-L		1/4	1.00	Gray	P29	8	29	50
LCD4-38D-L		3/8	1.00	Gray	P29	8	29	50
LCD2-14A-Q	#2 AWG	1/4	.63	Brown	P33	10	33	25
LCD2-14B-Q		1/4	.75	Brown	P33	10	33	25
LCD2-14D-Q		1/4	1.00	Brown	P33	10	33	25
LCD2-38D-Q		3/8	1.00	Brown	P33	10	33	25
LCD1-14A-E	#1 AWG	1/4	.63	Green	P37	11	37	20
LCD1-38D-E		3/8	1.00	Green	P37	11	37	20
LCD1/0-38D-X	1/0 AWG	3/8	1.00	Pink	P42	12	42	10
LCD2/0-14B-X	2/0 AWG	1/4	.75	Black	P45	13	45	10
LCD2/0-38D-X		3/8	1.00	Black	P45	13	45	10
LCD3/0-38D-X	3/0 AWG	3/8	1.00	Orange	P50	14	50	10
LCD4/0-38D-X	4/0 AWG	3/8	1.00	Purple	P54	15	54	10
LCD250-38D-X	250 kcmil	3/8	1.00	Yellow	P62	16	62	10

45° and 90° bent lugs are also available as standard parts.

Code Conductor, Two-Hole, Long Barrel with Window Lug

Type LCC-W

- 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

LISTED CERTIFIED

Part Number	Copper Conductor Size	Stud Hole Size (In.)	Stud Hole Spacing (In.)	*PANDUIT* Color Code	Die Index No. *PANDUIT*	Die Index No. Burndy	Die Index No. T & B	Std. Pkg. Qty.
LCC8-14AW-L	#8 AWG	1/4	.63	Red	P21	49	21	50
LCC6-14AW-L	#6 AWG	1/4	.63	Blue	P24	7	24	50
LCC6-14BW-L		1/4	.75	Blue	P24	7	24	50
LCC6-38DW-L		3/8	1.00	Blue	P24	7	24	50
LCC4-14AW-L	#4 – #3 AWG STR, #2 AWG SOL	1/4	.63	Gray	P29	8	29	50
LCC2-56BW-Q	#2 AWG	5/16	.75	Brown	P33	10	33	25
LCC2-38DW-Q		3/8	1.00	Brown	P33	10	33	25
LCC2-38W-Q		3/8	1.75	Brown	P33	10	33	25
LCC2-12W-Q		1/2	1.75	Brown	P33	10	33	25
LCC1-14AW-E	#1 AWG	1/4	.63	Green	P37	11	37	20
LCC1/0-12W-X	1/0 AWG	1/2	1.75	Pink	P42	12	42	10
LCC2/0-38DW-X	2/0 AWG	3/8	1.00	Black	P45	13	45	10
LCC2/0-12W-X		1/2	1.75	Black	P45	13	45	10
LCC3/0-12W-X	3/0 AWG	1/2	1.75	Orange	P50	14	50	10
LCC4/0-12W-X◆	4/0 AWG	1/2	1.75	Purple	P54	15	54	10
LCC250-12W-X◆	250 kcmil	1/2	1.75	Yellow	P62	16	62	10
LCC300-12W-X◆	300 kcmil	1/2	1.75	White	P66	17	66	10
LCC350-12W-X◆	350 kcmil	1/2	1.75	Red	P71	18	71	10
LCC400-12W-6◆	400 kcmil	1/2	1.75	Blue	P76	19	76	6
LCC500-12W-6◆	500 kcmil	1/2	1.75	Brown	P87	20	87	6
LCC600-12W-6◆	600 kcmil	1/2	1.75	Green	P94	22	94	6
LCC750-12W-6◆	750 kcmil	1/2	1.75	Black	P106	24	106	6

45° and 90° bent lugs are also available as standard parts.
◆NEMA hole sizes and spacing.

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

LISTED CERTIFIED

Part Number	Copper Conductor Size	Length (In.)	*PANDUIT* Color Code	Die Index No.			Std. Pkg. Qty.
				PANDUIT	Burndy	T & B	
SCS8-L	#8 AWG	1.50	Red	P21	49	21	50
SCS6-L	#6 AWG	1.75	Blue	P24	7	24	50
SCS4-L	#4 – #3 AWG STR, #2 AWG SOL	1.75	Gray	P29	8	29	50
SCS2-Q	#2 AWG	1.87	Brown	P33	10	33	25
SCS1-E	#1 AWG	1.87	Green	P37	11	37	20
SCS1/0-X	1/0 AWG	1.87	Pink	P42	12	42	10
SCS2/0-X	2/0 AWG	2.00	Black	P45	13	45	10
SCS3/0-X	3/0 AWG	2.12	Orange	P50	14	50	10
SCS4/0-X	4/0 AWG	2.12	Purple	P54	15	54	10
SCS250-X	250 kcmil	2.25	Yellow	P62	16	62	10
SCS350-X	350 kcmil	2.37	Red	P71	18	71	10
SCS500-6	500 kcmil	2.87	Brown	P87	20	87	6

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.)	*PANDUIT* Color code	Die Index No.			Std. Pkg. Qty.
				PANDUIT	Burndy	T & B	
SCL8-L	#8 AWG	2.25	Red	P21	49	21	50
SCL6-L	#6 AWG	2.38	Blue	P24	7	24	50
SCL4-L	#4 – #3 AWG STR, #2 AWG SOL	2.38	Gray	P29	8	29	50
SCL2-Q	#2 AWG	2.62	Brown	P33	10	33	25
SCL1-E	#1 AWG	2.87	Green	P37	11	37	20
SCL1/0-X	1/0 AWG	2.87	Pink	P42	12	42	10
SCL2/0-X	2/0 AWG	3.13	Black	P45	13	45	10
SCL3/0-X	3/0 AWG	3.12	Orange	P50	14	54	10
SCL4/0-X	4/0 AWG	3.37	Purple	P54	15	54	10
SCL250-X	250 kcmil	3.38	Yellow	P62	16	62	10
SCL350-X	350 kcmil	4.12	Red	P71	18	71	10
SCL500-6	500 kcmil	4.62	Brown	P87	20	87	6
SCL600-6	600 kcmil	5.50	Green	P94	22	94	6

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*

c UL us LISTED CSA CERTIFIED

Part Number	Conductor Size		Stud Hole Size (In.)	*PANDUIT* Color Code	Die Index No.			Std. Pkg. Qty.
	Class G, H, I, K, M/ Locomotive	Code			*PANDUIT*	Burndy	T & B	
LCAX8-10-L	#8 AWG/ #8 AWG	#8 AWG	#10	Red	P21	49	21	50
LCAX8-14-L			1/4	Red	P21	49	21	50
LCAX8-56-L			5/16	Red	P21	49	21	50
LCAX8-38-L			3/8	Red	P21	49	21	50
LCAX6-10-L	#6 AWG/ #6 AWG	#6 AWG	#10	Blue	P24	7	24	50
LCAX6-14-L			1/4	Blue	P24	7	24	50
LCAX6-56-L			5/16	Blue	P24	7	24	50
LCAX6-38-L			3/8	Blue	P24	7	24	50
LCAX4-14-L	#4 AWG/ #5, #4, #3 AWG	#4 AWG	1/4	Gray	P29	8	29	50
LCAX4-56-L			5/16	Gray	P29	8	29	50
LCAX4-38-L			3/8	Gray	P29	8	29	50
LCAX2-14-E	#2 AWG/ #2 AWG	#2 AWG	1/4	Brown	P33	10	33	20
LCAX2-56-E			5/16	Brown	P33	10	33	20
LCAX2-38-E			3/8	Brown	P33	10	33	20
LCAX2-12-E			1/2	Brown	P33	10	33	20
LCAX1-14-X	#1 AWG/ #1 AWG	#1 AWG	1/4	Green	P37	11	37	10
LCAX1-56-X			5/16	Green	P37	11	37	10
LCAX1-38-X			3/8	Green	P37	11	37	10
LCAX1-12-X			1/2	Green	P37	11	37	10
LCAX1/0-14-X	1/0 AWG/ 1/0 AWG	1/0 AWG	1/4	Pink	P42	12	42	10
LCAX1/0-56-X			5/16	Pink	P42	12	42	10
LCAX1/0-38-X			3/8	Pink	P42	12	42	10
LCAX1/0-12-X			1/2	Pink	P42	12	42	10

45° and 90° bent lugs are also available as standard parts.

continued on page C2.8

Flex Conductor, One-Hole, Standard Barrel with Window Lug (continued)

Part Number	Conductor Size: Class G, H, I, K, M/ Locomotive	Conductor Size: Code	Stud Hole Size (In.)	*PANDUIT* Color Code	Die Index No.: *PANDUIT*	Die Index No.: Burndy	Die Index No.: T & B	Std. Pkg. Qty.
LCAX2/0-14-X	2/0 AWG/ 2/0 AWG	2/0 AWG	1/4	Black	P45	13	45	10
LCAX2/0-56-X			5/16	Black	P45	13	45	10
LCAX2/0-38-X			3/8	Black	P45	13	45	10
LCAX2/0-12-X			1/2	Black	P45	13	45	10
LCAX3/0-14-X	3/0 AWG/ 3/0 AWG	3/0 AWG	1/4	Orange	P50	14	50	10
LCAX3/0-56-X			5/16	Orange	P50	14	50	10
LCAX3/0-38-X			3/8	Orange	P50	14	50	10
LCAX3/0-12-X			1/2	Orange	P50	14	50	10
LCAX4/0-56-X	4/0 AWG/ 4/0 AWG	4/0 AWG	5/16	Purple	P54	15	54	10
LCAX4/0-38-X			3/8	Purple	P54	15	54	10
LCAX4/0-12-X			1/2	Purple	P54	15	54	10
LCAX250-56-X	250 kcmil/ 262.6 kcmil	—	5/16	Yellow	P62	16	62	10
LCAX250-38-X			3/8	Yellow	P62	16	62	10
LCAX250-12-X			1/2	Yellow	P62	16	62	10
LCAX300-12-6	300 kcmil/ 313.1 kcmil	—	1/2	Red	P71	18	71H	6
LCAX350-38-6	350 kcmil/ 373.7 kcmil	—	3/8	Blue	P76	19	76H	6
LCAX350-12-6			1/2	Blue	P76	19	76H	6
LCAX500-12-6	500 kcmil/ 535.3 kcmil	—	1/2	Pink	P99	L99	99H	6

45° and 90° bent lugs are also available as standard parts.

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.)	*PANDUIT* Color Code	*PANDUIT* Die Index No.	Std. Pkg. Qty.
	Class K and M	Locomotive				
LCAF6-14-L	#6 AWG	#6 AWG	1/4	Blue	P24	50
LCAF6-38-L			3/8	Blue	P24	50
LCAF4-14-L	#4 AWG	#4 AWG	1/4	Gray	P29	50
LCAF4-38-L			3/8	Gray	P29	50
LCAF2-14-E	#2 AWG	#2 AWG	1/4	Brown	P33	20
LCAF2-38-E			3/8	Brown	P33	20
LCAF1-38-X	#1 AWG	#1 AWG	3/8	Pink	P42	10
LCAF1/0-14-X	1/0 AWG	1/0 AWG	1/4	Black	P45	10
LCAF1/0-56-X			5/16	Black	P45	10
LCAF1/0-38-X			3/8	Black	P45	10
LCAF1/0-12-X			1/2	Black	P45	10
LCAF2/0-38-X	2/0 AWG	2/0 AWG	3/8	Orange	P50	10
LCAF2/0-12-X			1/2	Orange	P50	10
LCAF3/0-38-X	3/0 AWG	3/0 AWG	3/8	Purple	P54	10
LCAF3/0-12-X			1/2	Purple	P54	10
LCAF4/0-38-X	4/0 AWG	4/0 AWG	3/8	Yellow	P62	10
LCAF4/0-12-X			1/2	Yellow	P62	10
LCAF250-12-X	250 kcmil	262.6 kcmil	1/2	White	P66	10
LCAF350-12-6	350 kcmil	373.7 kcmil	1/2	Blue	P76	6
LCAF400-12-6	400 kcmil	444.4 kcmil	1/2	Brown	P87	6

45° and 90° bent lugs are also available as standard parts.

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	Conductor Size		Stud Hole Size (In.)	*PANDUIT* Color Code	Die Index No.			Std. Pkg. Qty.
	Class G, H, I, K, M/ Locomotive	Code			*PANDUIT*	Burndy	T & B	
LCBX8-14-L	#8 AWG/ #8 AWG	#8 AWG	1/4	Red	P21	49	21	50
LCBX6-14-L	#6 AWG/ #6 AWG	#6 AWG	1/4	Blue	P24	7	24	50
LCBX6-38-L			3/8	Blue	P24	7	24	50
LCBX4-14-L	#4 AWG/ #5, #4, #3 AWG	#4 AWG	1/4	Gray	P29	8	29	50
LCBX1-56-X	#1 AWG/ #1 AWG	#1 AWG	5/16	Green	P37	11	37	10
LCBX1/0-38-X	1/0 AWG/ 1/0 AWG	1/0 AWG	3/8	Pink	P42	12	42	10
LCBX2/0-38-X	2/0 AWG/ 2/0 AWG	2/0 AWG	3/8	Black	P45	13	45	10
LCBX2/0-12-X			1/2	Black	P45	13	45	10
LCBX3/0-38-X	3/0 AWG/ 3/0 AWG	3/0 AWG	3/8	Orange	P50	14	50	10
LCBX4/0-38-X	4/0 AWG/ 4/0 AWG	4/0 AWG	3/8	Purple	P54	15	54	10
LCBX4/0-12-X			1/2	Purple	P54	15	54	10
LCBX350-12-6	350 kcmil/ 373.7 kcmil	—	1/2	Blue	P76	19	76H	6
LCBX500-12-6	500 kcmil/ 535.3 kcmil	—	1/2	Pink	P99	L99	99H	6

45° and 90° bent lugs are also available as standard parts.

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*

c UL us LISTED CSA CERTIFIED

Part Number	Conductor Size: Class G, H, I, K, M/ Locomotive	Conductor Size: Code	Stud Hole Size (In.)	Stud Hole Spacing (In.)	*PANDUIT* Color Code	Die Index No.: *PANDUIT*	Die Index No.: Burndy	Die Index No.: T & B	Std. Pkg. Qty.
LCDX8-10A-L	#8 AWG/ #8 AWG	#8 AWG	#10	.63	Red	P21	49	21	50
LCDX8-14A-L			1/4	.63	Red	P21	49	21	50
LCDX8-14B-L			1/4	.75	Red	P21	49	21	50
LCDX8-14D-L			1/4	1.00	Red	P21	49	21	50
LCDX6-10A-L	#6 AWG/ #6 AWG	#6 AWG	#10	.63	Blue	P24	7	24	50
LCDX6-14A-L			1/4	.63	Blue	P24	7	24	50
LCDX6-14B-L			1/4	.75	Blue	P24	7	24	50
LCDX6-14D-L			1/4	1.00	Blue	P24	7	24	50
LCDX6-38D-L			3/8	1.00	Blue	P24	7	24	50
LCDX4-14A-L	#4 AWG/ #5, #4, #3 AWG	#4 AWG	1/4	.63	Gray	P29	8	29	50
LCDX4-14B-L			1/4	.75	Gray	P29	8	29	50
LCDX4-14D-L			1/4	1.00	Gray	P29	8	29	50
LCDX4-38D-L			3/8	1.00	Gray	P29	8	29	50
LCDX2-14A-E	#2 AWG/ #2 AWG	#2 AWG	1/4	.63	Brown	P33	10	33	20
LCDX2-14B-E			1/4	.75	Brown	P33	10	33	20
LCDX2-14D-E			1/4	1.00	Brown	P33	10	33	20
LCDX2-38D-E			3/8	1.00	Brown	P33	10	33	20
LCDX1-14A-X	#1 AWG/ #1 AWG	#1 AWG	1/4	.63	Green	P37	11	37	10
LCDX1-38D-X			3/8	1.00	Green	P37	11	37	10

45° and 90° bent lugs are also available as standard parts.
◆NEMA hole sizes and spacing.

continued on page C2.12

Flex Conductor, Two-Hole, Standard Barrel with Window Lug (continued)

Part Number	Conductor Size: Class G, H, I, K, M/ Locomotive	Conductor Size: Code	Stud Hole Size (In.)	Stud Hole Spacing (In.)	*PANDUIT* Color Code	Die Index No.: *PANDUIT*	Die Index No.: Burndy	Die Index No.: T & B	Std. Pkg. Qty.
LCDX1/0-38D-X	1/0 AWG/ 1/0 AWG	1/0 AWG	3/8	1.00	Pink	P42	12	42	10
LCDX2/0-14B-X	2/0 AWG/ 2/0 AWG	2/0 AWG	1/4	.75	Black	P45	13	45	10
LCDX2/0-38D-X			3/8	1.00	Black	P45	13	45	10
LCDX3/0-38D-X	3/0 AWG/ 3/0 AWG	3/0 AWG	3/8	1.00	Orange	P50	14	50	10
LCDX3/0-12-X◆			1/2	1.75	Orange	P50	14	50	10
LCDX4/0-38D-X	4/0 AWG/ 4/0 AWG	4/0 AWG	3/8	1.00	Purple	P54	15	54	10
LCDX250-38D-X	250 kcmil/ 262.6 kcmil	—	3/8	1.00	Yellow	P62	16	62	10
LCDX250-12-X◆			1/2	1.75	Yellow	P62	16	62	10
LCDX300-12-6◆	300 kcmil/ 313.1 kcmil	—	1/2	1.75	Red	P71	18	71H	6
LCDX600-12-6◆	600 kcmil/ —	—	1/2	1.75	Pink	P99	400	99H	6
LCDX750-12-3◆	—/ 777.7 kcmil	—	1/2	1.75	Yellow	P115	L115	115H	3

45° and 90° bent lugs are also available as standard parts.
◆NEMA hole sizes and spacing.

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	Conductor Size: Class G,H, I, K, M/ Locomotive	Conductor Size: Code	Stud Hole Size (In.)	Stud Hole Spacing (In.)	*PANDUIT* Color Code	Die Index No.: *PANDUIT*	Die Index No.: Burndy	Die Index No.: T & B	Std. Pkg. Qty.
LCCX8-14A-L	#8 AWG/ #8 AWG	#8 AWG	1/4	.63	Red	P21	49	21	50
LCCX6-14A-L	#6 AWG/ #6 AWG	#6 AWG	1/4	.63	Blue	P24	7	24	50
LCCX6-14B-L			1/4	.75	Blue	P24	7	24	50
LCCX6-38D-L			3/8	1.00	Blue	P24	7	24	50
LCCX4-14A-L	#4 AWG/ #5, #4, #3 AWG	#4 AWG	1/4	.63	Gray	P29	8	29	50
LCCX2-38D-E	#2 AWG/ #2 AWG	#2 AWG	3/8	1.00	Brown	P33	10	33	20
LCCX2-12-E			1/2	1.75	Brown	P33	10	33	20
LCCX1-14A-X	#1 AWG/ #1 AWG	#1 AWG	1/4	.63	Green	P37	11	37	10
LCCX1/0-12-X	1/0 AWG/ 1/0 AWG	1/0 AWG	1/2	1.75	Pink	P42	12	42	10
LCCX2/0-38D-X	2/0 AWG/ 2/0 AWG	2/0 AWG	3/8	1.00	Black	P45	13	45	10
LCCX2/0-12-X			1/2	1.75	Black	P45	13	45	10
LCCX4/0-12-X◆	4/0 AWG/ 4/0 AWG	4/0 AWG	1/2	1.75	Purple	P54	15	54	10
LCCX350-12-6◆	350 kcmil/ 373.7 kcmil	—	1/2	1.75	Blue	P76	19	76H	6
LCCX500-12-6◆	500 kcmil/ 535.3 kcmil	—	1/2	1.75	Pink	P99	L99	99H	6

45° and 90° bent lugs are also available as standard parts.
◆NEMA hole sizes and spacing.

Code Conductor, One-Hole, Aluminum Lug

Type LAA

- For use with stranded aluminum or copper code conductors
- *UL Listed and CSA Certified when crimped with PANDUIT and specified competitor crimping tools and dies*
- Factory pre-filled with joint compound and sealed with easy pull-out end plug to inhibit corrosion

LISTED CERTIFIED

Part Number	Aluminum or Copper Conductor Size	Stud Hole Size (In.)	*PANDUIT* Color Code	Die Index No.			Std. Pkg. Qty.
				PANDUIT	Burndy	T & B	
LAA6-14-X	#6 AWG	1/4	Gray	P29	346	29	10
LAA6-56-X		5/16	Gray	P29	346	29	10
LAA4-14-X	#4 AWG	1/4	Green	P37	375	37	10
LAA4-56-X		5/16	Green	P37	375	37	10
LAA4-38-X		3/8	Green	P37	375	37	10
LAA2-14-X	#2 AWG	1/4	Pink	P42	348	42	10
LAA2-56-X		5/16	Pink	P42	348	42	10
LAA2-38-X		3/8	Pink	P42	348	42	10
LAA1-14-X	#1 AWG	1/4	Gold	P45	471	45	10
LAA1-56-X		5/16	Gold	P45	471	45	10
LAA1-38-X		3/8	Gold	P45	471	45	10
LAA1/0-56-X	1/0 AWG	5/16	Tan	P50	296	50	10
LAA1/0-38-X		3/8	Tan	P50	296	50	10
LAA1/0-12-X		1/2	Tan	P50	296	50	10
LAA2/0-38-5	2/0 AWG	3/8	Olive	P54	297	54	5
LAA2/0-12-5		1/2	Olive	P54	297	54	5
LAA3/0-38-5	3/0 AWG	3/8	Ruby	P60	467	60	5
LAA3/0-12-5		1/2	Ruby	P60	467	60	5
LAA4/0-38-5	4/0 AWG	3/8	White	P66	298	66	5
LAA4/0-12-5		1/2	White	P66	298	66	5
LAA250-38-5	250 kcmil	3/8	Red	P71	324	71	5
LAA250-12-5		1/2	Red	P71	324	71	5
LAA300-12-2	300 kcmil	1/2	Blue	P76	470	76	2
LAA350-12-2	350 kcmil	1/2	Brown	P87	299	87	2
LAA400-58-2	400 kcmil	5/8	Green	P94	472	94	2
LAA500-12-2	500 kcmil	1/2	Pink	P99	300	99	2
LAA750-58-1	750 kcmil	5/8	Red	P125	301	115	1
LAA1000-58-1	1000 kcmil	5/8	Brown	P161	302	161	1

The use of *PANDUIT* oxide inhibiting joint compound (CMP-100-1) is recommended for pad to pad and conductor connections. See page C2.16.

Code Conductor, Two-Hole, Aluminum Lug

Type LAB

- For use with stranded aluminum or copper code conductors
- *UL Listed and CSA Certified when crimped with PANDUIT and specified competitor crimping tools and dies*
- Factory pre-filled with joint compound and sealed with easy pull-out end plug to inhibit corrosion

Part Number	Aluminum or Copper Conductor Size	Stud Hole Size (In.)	Stud Hole Spacing (In.)	*PANDUIT* Color Code	Die Index No. *PANDUIT*	Die Index No. Burndy	Die Index No. T & B	Std. Pkg. Qty.
LAB1/0-38-X	1/0 AWG	3/8	1.75	Tan	P50	296	50	10
LAB2/0-12-5◆	2/0 AWG	1/2	1.75	Olive	P54	297	54	5
LAB3/0-12-5◆	3/0 AWG	1/2	1.75	Ruby	P60	467	60	5
LAB4/0-12-5◆	4/0 AWG	1/2	1.75	White	P66	298	66	5
LAB250-12-5◆	250 kcmil	1/2	1.75	Red	P71	324	71	5
LAB300-12-2◆	300 kcmil	1/2	1.75	Blue	P76	470	76	2
LAB350-12-2◆	350 kcmil	1/2	1.75	Brown	P87	299	87	2
LAB400-12-2◆	400 kcmil	1/2	1.75	Green	P94	472	94	2
LAB500-12-2◆	500 kcmil	1/2	1.75	Pink	P99	300	99	2
LAB600-12-2◆	600 kcmil	1/2	1.75	Black	P106	473	106	2
LAB750-12-1◆	750 kcmil	1/2	1.75	Red	P125	301	115	1
LAB800-12-1◆	800 kcmil	1/2	1.75	Gray	P140	474	125	1
LAB1000-12-1◆	1000 kcmil	1/2	1.75	Brown	P161	302	161	1

The use of *PANDUIT* oxide inhibiting joint compound (CMP-100-1) is recommended for pad to pad and conductor connections. See page C2.16.
◆NEMA hole sizes and spacing.

Belleville Compression Washers

Type CW

- Conical spring washer for use when assembling aluminum connectors to copper and/or steel pads, compensates for differing rates of thermal expansion to keep hardware assembly from loosening
- Made from hardened steel to provide high strength
- Cadmium plated to inhibit corrosion

Part Number	Stud Hole Size (In.)	O. D. (In.)	Height (In.)	Thickness (In.)	Std. Pkg. Qty.
CW-14-L	1/4	.68	.09	.05	50
CW-56-L	5/16	.81	.08	.06	50
CW-38-L	3/8	.93	.10	.07	50
CW-12-Q	1/2	1.18	.12	.09	25
CW-58-Q	5/8	1.49	.15	.12	25

Joint Compounds

Type CMP

- Oxide inhibitor for compression cable connections made with aluminum compression connectors lowers electrical contact resistance of compression joint while sealing out air and moisture to prevent the formation of surface oxides
- Packaged in convenient 8 oz. dispenser bottles

Part Number	Description	Std. Pkg. Qty.
CMP-100-1	Contact aid for pad to pad or thread to thread aluminum connections. Operating temperature range -60°F (-51°C) to 400°F (204°C). Maintains low electrical resistance and seals out air and moisture to prevent the formation of surface oxides.	1

Code Conductor, Aluminum Splice

Type SA

- For use with stranded aluminum to aluminum or copper to copper conductors
- *UL Listed and CSA Certified when crimped with PANDUIT and specified competitor crimping tools and dies*
- Factory pre-filled with joint compound and sealed with easy pull-out end plug to inhibit corrosion

Part Number	Aluminum or Copper Conductor Size	Length (In.)	*PANDUIT* Color Code	Die Index No.			Std. Pkg. Qty.
				PANDUIT	Burndy	T & B	
SA6-X	#6 AWG	1.62	Gray	P29	346	29	10
SA4-X	#4 AWG	2.13	Green	P37	375	37	10
SA2-X	#2 AWG	2.00	Pink	P42	348	45	10
SA1-X	#1 AWG	2.00	Gold	P45	471	45	10
SA1/0-X	1/0 AWG	2.12	Tan	P50	296	50	10
SA2/0-5	2/0 AWG	2.31	Olive	P54	297	54	5
SA3/0-5	3/0 AWG	2.62	Ruby	P60	467	60	5
SA4/0-5	4/0 AWG	2.75	White	P66	298	66	5
SA250-5	250 kcmil	2.94	Red	P71	324	71	5
SA300-2	300 kcmil	3.12	Blue	P76	470	76	2
SA350-2	350 kcmil	3.37	Brown	P87	299	87	2
SA400-2	400 kcmil	3.75	Green	P94	472	94	2
SA500-2	500 kcmil	3.87	Pink	P99	300	99	2
SA600-2	600 kcmil	4.12	Black	P106	473	106	2
SA750-1	750 kcmil	4.62	Red	P125	301	115	1

The use of *PANDUIT* oxide inhibiting joint compound (CMP-100-1) is recommended for pad to pad and conductor connections. See page C2.16.

Code Conductor, Aluminum, Bi-Metallic Pin Connector

Type BPC

- Provides copper pigtail for connecting aluminum conductors to a copper or aluminum/copper rated mechanical lug
- *UL Listed when crimped with PANDUIT and specified competitor crimping tools and dies*
- Factory pre-filled with joint compound and sealed with easy pull-out end plug to inhibit corrosion

Part Number	Aluminum Conductor Size	Copper Pigtail Size	*PANDUIT* Color Code	Die Index No.			Std. Pkg. Qty.
				PANDUIT	Burndy	T & B	
BPC6-L	#6 AWG	#8 AWG	Tan	P50	296	50	50
BPC4-L	#4 AWG	#6 AWG	Tan	P50	296	50	50
BPC2-L	#2 AWG	#4 AWG	Tan	P50	296	50	50
BPC1-X	#1 AWG	#3 AWG	Tan	P50	296	50	10
BPC1/0-X	1/0 AWG	#2 AWG	Red	P71	298	76	10
BPC2/0-X	2/0 AWG	#1 AWG	Red	P71	298	76	10
BPC3/0-X	3/0 AWG	1/0 AWG	Red	P71	298	76	10
BPC4/0-X	4/0 AWG	2/0 AWG	Red	P71	298	76	10
BPC250-X	250 kcmil	3/0 AWG	Green	P94	299	99,87	10
BPC300-X	300 kcmil	4/0 AWG	Green	P94	299	99,87	10
BPC350-X	350 kcmil	4/0 AWG	Green	P94	299	99,87	10
BPC400-X	400 kcmil	250 kcmil	Black	P106	300	106	10
BPC500-X	500 kcmil	350 kcmil	Black	P106	300	106	10
BPC600-6	600 kcmil	350 kcmil	Red	P125	936	115	6
BPC750-6	750 kcmil	500 kcmil	Red	P125	936	115	6

The use of *PANDUIT* oxide inhibiting joint compound (CMP-100-1) is recommended for pad to pad and conductor connections. See page C2.16.

Crimping Guidelines for *PANDUIT*® *PAN-LUG*™ 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*

Tool Chart for Compression Cor
Types LCB, LCC and SCL with Co

DIE INDEX NUMB

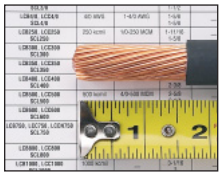
PANDUIT PART NUMBER LUG SPLICE	STUD WIRE SIZE	WIRE RANGE-TAKING with Ide-Ox TOOLS (see note)	WIRE STRIP LENGTH (in.)	CT-1700	CT-720
LCB8, LCC8 SCL8	8 AWG	—	3/4 1-1/16	RED P21 (3)	CD-720-RED P21
LCB6, LCC6 SCL6	6 AWG	—	1-1/4 1-1/8	BLUE P24 (3)	CD-720-BLUE P24
LCB4, LCC4, LCC4-12*** SCL4	2 AWG SOL 4-0 AWG STR	4 AWG	1-1/8 1-1/8	GRAY P29 (3)	CD-720-GRAY P29
LCB2, LCC2 SCL2	2 AWG	6-2 AWG	1-1/4 1-1/4	BROWN P33 (3)	CD-720-BROWN P33
LCB1, LCC1 SCL1	1 AWG	6-1 AWG	1-7/16 1-3/8	GREEN P37 (3)	CD-720-GREEN P37
LCB1/0, LCC1/0 SCL1/0	1/0 AWG	6-1/0 AWG	1-1/2 1-3/8	—	CD-720-PINK P42
LCB2/0, LCC2/0 SCL2/0	2/0 AWG	6-2/0 AWG	1-5/8 1-1/2	—	CD-720-BLACK P45
LCB3/0, LCC3/0 SCL3/0	3/0 AWG	2-3/0 AWG	1-9/16 1-1/2	—	CD-720-ORANGE P48

2. Strip the conductor to the proper strip length as specified:

– On the *PANDUIT* product packaging label

– On the installation instructions included with *PANDUIT* product packaging

– In the tool charts*



- 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

*For complete tool charts refer to pages D2.148 – D2.186 of the Electrical Solutions Catalog, SA-ELCB03, at www.panduit.com.

Crimping Guidelines for *PANDUIT*® *PAN-LUG*™ 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
  - *PANDUIT* crimping tools and dies to be used with each connector are listed on the installation instructions included with *PANDUIT* product packaging
  - *PANDUIT* and specified competitor crimping tools and dies are listed in the tool charts*
- *PANDUIT* compression connectors are color coded and marked with *PANDUIT* and specified competitor die index numbers; select the proper *PANDUIT* 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

*For complete tool charts refer to pages D2.148 – D2.186 of the Electrical Solutions Catalog, SA-ELCB03, at 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

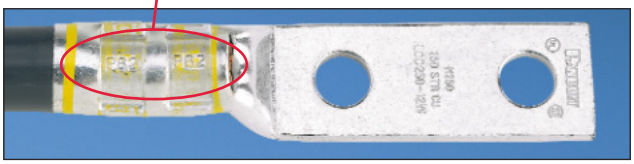
INK P42 (2)	(2)	PINK P42 (2)
D-920-2/0 ACK P45 (3)	STD (2)	CD-2001-2/0 BLACK P45 (3)
D-920-3/0 NGE P50 (3)	STD (2)	CD-2001-3/0 ORANGE P50 (3)
D-920-4/0 PLE P54 (3)	STD (2)	CD-2001-4/0 PURPLE P54 (3)
D-920-250 LOW P62 (3)	STD (3)	CD-2001-250 YELLOW P62 (3)
D-920-300 HITE P66 (3)	STD (3)	CD-2001-300 WHITE P66 (3)
D-920-350 ED P71 (3)	STD (3)	CD-2001-350 RED P71 (3)
D-920-400	STD	CD-2001-400

Identify

- 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 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



*For complete tool charts refer to pages D2.148 – D2.186 of the Electrical Solutions Catalog, SA-ELCB03, at www.panduit.com.

Compression Connector Installation Tools

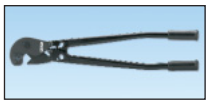
Cable Stripping Tool for Large Cable Sizes

- Cutting blade provides circular, spiral, and in-line insulation cutting
- Cutting blade easily adjusts to proper height to cut insulation without nicking conductor strands
- Easy-fit replacement blade, one spare blade included with tool

Part Number	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

Manual and Battery Powered Crimping Tools

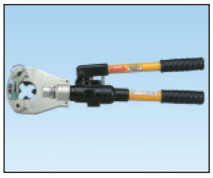
CT-1700



CT-720

CT-930

CT-2001



CT-980

CT-2931

CT-2981

Manual and Battery Powered Crimping Tools (continued)

Part Number	Part Description	Std. Pkg. Qty.
CT-1700	Ergonomic, hand tool. Installs *PAN-LUG*™ Compression Connectors: copper lugs and splices for #8 – #1 AWG code conductor and #8 – #2 AWG flex conductor; aluminum lugs and splices for #6 – #4 AWG code conductor; copper CTAPF taps for #14 – #4 AWG code conductor; and *PAN-TERM*® Non-Insulated Tubular Terminals for #8 – #2 AWG code conductor. Includes 5 position, color coded rotating die.	1
CT-720	Die type, manual, crimping tool. Installs *PAN-LUG*™ Compression Connectors: copper lugs and splices for #8 AWG – 500 kcmil code conductor; aluminum lugs and splices for #6 AWG – 350 kcmil code conductor; and *PAN-TERM*® Vinyl Insulated Terminals for #8 – #2 AWG.	1
CT-930	Die type, manual hydraulic, 14 ton, crimping tool. Installs *PAN-LUG*™ Compression Connectors: copper lugs and splices for #8 AWG – 750 kcmil code conductor and #8 AWG – 600 kcmil flex conductor; copper CTAPF taps for #10 – 3/0 AWG code conductor; copper CTAP taps for #8 – 4/0 AWG code conductor; copper HTCT taps for #14 AWG – 250 kcmil code conductor and #14 – 4/0 AWG flex conductor; aluminum lugs and splices for #6 AWG – 600 kcmil code conductor; aluminum HTAPs for #14 AWG – 500 kcmil code conductor; and *PAN-TERM*® Tubular Terminals for #8 AWG – 250 kcmil code conductor. Includes tool case with die storage.	1
CT-2001	Die type, battery powered hydraulic, 6 ton, crimping tool. Installs *PAN-LUG*™ Compression Connectors; copper lugs and splices for #8 AWG – 500 kcmil code conductor; copper lugs for #8 AWG – 350 kcmil flex conductor; copper CTAPF taps for #10 – 3/0 AWG code conductor; copper CTAP taps for #8 – #2 AWG code conductor and *PAN-TERM*® Tubular Terminals for #8 AWG – 250 kcmil code conductor. Includes two batteries, charger, shoulder strap and tool case.	1
CT-2931	Die type, battery powered hydraulic, 12 ton, crimping tool. Installs *PAN-LUG*™ Compression Connectors: copper lugs and splices for #8 AWG – 750 kcmil code conductor and #8 AWG – 600 kcmil flex conductor; copper CTAPF taps for #10 – 3/0 AWG code conductor; copper CTAP taps for #8 – 4/0 AWG code conductor; copper HTCT taps for #14 AWG – 250 kcmil code conductor and #14 – 4/0 AWG flex conductor; aluminum lugs and splices for #6 AWG – 600 kcmil code conductor; aluminum HTAPs for #14 AWG – 500 kcmil code conductor; and *PAN-TERM*® Tubular Terminals for #8 AWG – 250 kcmil code conductor. Includes two batteries, charger, and tool case.	1
CT-980	*UNI-DIE*™ Dieless, manual hydraulic, 6.2 ton, crimping tool. Installs *PAN-LUG*™ Compression Connectors: copper lugs and splices for #4 AWG – 750 kcmil code conductor. Includes tool case.	1
CT-2981	*UNI-DIE*™ Dieless, battery powered hydraulic, 6.2 ton, crimping tool. Installs *PAN-LUG*™ Compression Connectors: copper lugs and splices for #4 AWG – 750 kcmil code conductor. Includes two batteries, charger, and tool case.	1

PAN-LUG™ Mechanical Connectors

Split Bolt, Copper

Type SBC

- For use with copper code conductors
- Offered with extra long body to allow connection of one or two taps to a single run conductor
- Pressure bar provides secure connection on a full range of conductor combinations used with each connector assuring premium wire pull-out strength

Part Number	Copper Conductor: Range of Equal Run and Tap** Min.	Copper Conductor: Range of Equal Run and Tap** Max.	Copper Conductor: Min. Tap with One Max. Run	Std. Pkg. Qty.
SBC8-C	#12 SOL	#8 STR	#16 STR	100
SBC6S-C	#10 SOL	#6 SOL	#16 SOL	100
SBC4S-C	#8 SOL	#4 SOL	#16 SOL	100
SBC3-C	#6 SOL	#3 SOL	#12 SOL	100
SBC2-C	#6 SOL	#2 STR	#14 STR	100
SBC1/0-L^	#4 SOL	1/0 STR	#14 SOL	50
SBC2/0-Q‡^	#2 SOL	2/0 STR	#14 STR	25
SBC3/0-Q‡^	#2 SOL	3/0 STR	#12 SOL	25
SBC250-Q	1/0 SOL	250 kcmil	#10 SOL	25
SBC350-1	4/0 STR	350 kcmil	#8 SOL	1
SBC500-1	250 kcmil	500 kcmil	#8 SOL	1
SBC750-1	350 kcmil	750 kcmil	#8 SOL	1

**The conductor sizes shown are for equal run and tap combinations for both solid and stranded unless otherwise listed.
^UL approved with #1 AWG SOL copper conductor.
‡UL approved with 1/0 AWG STR or 2/0 AWG SOL.

Split Bolt, Aluminum

Type SBA

- Dual rated for use with aluminum to aluminum, aluminum to copper, and copper-to-copper conductor combinations
- Tin plated to inhibit corrosion and oxidation
- Free floating pressure bar separates conductors of dissimilar materials for secure connection on a full range of conductor combinations

Part Number	Max. Run to Max. Tap	Min. Run to Min. Tap	Max. Run to Min. Tap	Std. Pkg. Qty.
SBA2-C	#2 STR – #2 STR	#6 SOL – #8 STR	#2 STR – #8 STR	100
SBA2/0-Q	2/0 STR – 2/0 STR	#2 STR (Compact) – #8 STR	2/0 STR – #8 STR	25
SBA4/0-Q	4/0 STR – 4/0 STR	#2 STR (Compact) – #6 STR	4/0 STR – #6 STR	25

The use of *PANDUIT* oxide inhibiting joint compound (CMP-100-1) is recommended. See page C2.16.

One-Hole, Straight Tongue, Barrel Post Lug

Type ML

- For use with copper code conductors
- Compact design saves space
- Wire range-taking capability minimizes inventory requirements

LISTED

Part Number	Copper Conductor Size Range	Stud Hole Size (In.)	Length (In.)	Std. Pkg. Qty.
ML8-CY	#14 SOL – #8 STR	3/16	.81	100
ML4-CY	#14 SOL – #4 STR	1/4	1.13	100
ML1/0-LY	#8 SOL – 1/0 STR	5/16	1.50	50
ML250-QY	#6 STR – 250 kcmil	3/8	1.94	25

One-Hole, Straight Floating Tongue Lug

Type CS

- For use with stranded copper code conductors
- Wire range-taking capability minimizes inventory requirements
- Internal pressure bar and V-bottom collar provide uniform clamping force on conductor to assure positive contact between conductor and connector

LISTED CERTIFIED

Part Number	Copper Conductor Size Range	Current Rating (A)	Stud Hole Size (In.)	Std. Pkg. Qty.
CS70-14-CY	#12 AWG – #1 AWG, (1) #8 AWG with (1) #4 AWG, (1) #8 AWG with (1) #6 AWG	90	1/4	100

Two-Hole, Offset Floating Tongue Lug

Type CO

- For use with stranded copper code conductors
- Wire range-taking capability minimizes inventory requirements
- Internal pressure bar and V-bottom collar provide uniform clamping force on conductor to assure positive contact between conductor and connector

Part Number	Copper Conductor Size Range	Current Rating (A)	Stud Hole Size (In.)	Stud Hole Spacing (In.)	Std. Pkg. Qty.
CO70-14-QY	#12 AWG – #1 AWG, (1) #8 AWG with (1) #4 AWG, (1) #8 AWG with (1) #6 AWG	90	1/4	1.00	25

One-Hole, Single Barrel Lug

Type LAMA

- For use with stranded aluminum or copper code conductors
- Made from high strength, extruded aluminum alloy to provide premium electrical and mechanical performance
- Tin plated to inhibit corrosion

Part Number	Conductor Size Range	Stud Hole Size (In.)	Length (In.)	Std. Pkg. Qty.
LAMA6-14-QY	#14 AWG – #6 AWG	1/4	1.06	25
LAMA2-14-QY	#14 AWG – #2 AWG	1/4	1.16	25
LAMA1/0-14-QY	#14 AWG – 1/0 AWG	1/4	1.47	25
LAMA2/0-14-QY	#14 AWG – 2/0 AWG	1/4	1.47	25
LAMA250-56-QY	#6 AWG – 250 kcmil	5/16	2.00	25
LAMA300-56-QY	#6 AWG – 300 kcmil	5/16	2.00	25
LAMA350-38-QY	#6 AWG – 350 kcmil	3/8	2.25	25
LAMA500-38-6Y	#4 AWG – 500 kcmil	3/8	2.75	6
LAMA600-38-6Y	#4 AWG – 600 kcmil	3/8	2.75	6
LAMA800-58-6Y	350 kcmil – 800 kcmil	5/8	3.38	6

The use of *PANDUIT* oxide inhibiting joint compound (CMP-100-1) is recommended for pad to pad and conductor connections. See page C2.16.

One-Hole, Two Barrel Lug

Type LAM2A

- For use with stranded aluminum or copper code conductors
- Made from high strength, extruded aluminum alloy to provide premium electrical and mechanical performance
- Tin plated to inhibit corrosion

Part Number	Conductor Size Range	Stud Hole Size (In.)	Length (In.)	Std. Pkg. Qty.
LAM2A1/0-14-6Y	#14 AWG – 1/0 AWG	1/4	1.47	6
LAM2A2/0-14-6Y^	#14 AWG – 2/0 AWG	1/4	1.47	6
LAM2A250-38-6Y	#6 AWG – 250 kcmil	3/8	2.56	6
LAM2A350-12-6Y	#6 AWG – 350 kcmil	1/2	2.88	6
LAM2A600-12-6Y	#4 AWG – 600 kcmil	1/2	3.13	6

The use of *PANDUIT* oxide inhibiting joint compound (CMP-100-1) is recommended for pad to pad and conductor connections. See page C2.16.
^Not CSA Certified.

Two-Hole, Three Barrel Lug

Type LAM3B

- For use with stranded aluminum or copper code conductors
- Made from high strength, extruded aluminum alloy to provide premium electrical and mechanical performance
- Tin plated to inhibit corrosion

Part Number	Conductor Size Range	Stud Hole Size (In.)	Stud Hole Spacing (In.)	Length (In.)	Std. Pkg. Qty.
LAM3B250-12-1Y◆	#6 AWG – 250 kcmil	1/2	1.75	4.19	1

The use of *PANDUIT* oxide inhibiting joint compound (CMP-100-1) is recommended for pad to pad and conductor connections. See page C2.16.
◆NEMA hole sizes and spacing.

Multi-Tap Connector with Clear Insulation, Double-Sided

Type PCSB

- For use with aluminum or copper code conductors
- Body made from high strength, extruded aluminum alloy to provide premium electrical and mechanical performance
- Insulated with clear PVC to eliminate the need for taping and allow for visual inspection of the complete conductor insertion

Part Number	Conductor Size Range	No. of Ports	Length (In.)	Std. Pkg. Qty.
PCSB4-2-12Y	#4 AWG STR – #14 AWG STR #10 AWG SOL – #14 AWG SOL	2	1.16	12
PCSB2/0-2-12‡	2/0 AWG STR – #14 AWG STR #10 AWG SOL– #14 AWG SOL	2	1.63	12
PCSB2/0-3-6‡		3	2.36	6
PCSB250-2-6Y‡	250 kcmil – #6 AWG STR	2	2.13	6
PCSB250-3-6Y‡		3	3.10	6
PCSB250-4-6Y‡		4	4.06	6
PCSB350-2-4‡	350 kcmil – #10 AWG STR #10 AWG SOL	2	2.22	4
PCSB500-2-4Y‡	500 kcmil – #6 AWG STR	2	2.71	4
PCSB500-4-2Y‡		4	5.26	2

‡Not CSA Certified.

Multi-Tap Connector with Clear Insulation, Single-Sided

Type PCSB-S

- For use with aluminum or copper code conductors
- Body made from high strength, extruded aluminum alloy to provide premium electrical and mechanical performance
- Insulated with clear PVC to eliminate the need for taping and allow for visual inspection of the complete conductor insertion

Part Number	Conductor Size Range	No. of Ports	Length (In.)	Std. Pkg. Qty.
PCSB4-2S-12Y	#4 AWG STR – #14 AWG STR	2	1.08	12
PCSB2/0-2S-6	2/0 AWG STR – #14 AWG STR	2	1.52	6
PCSB2/0-3S-6Y	2/0 AWG STR – #14 AWG STR	3	2.19	6
PCSB250-2S-6Y	250 kcmil – #10 AWG STR	2	2.03	6
PCSB250-3S-6Y	250 kcmil – #10 AWG STR	3	2.97	6
PCSB250-4S-6Y	250 kcmil – #10 AWG STR	4	3.91	6
PCSB350-2S-4Y	350 kcmil – #10 AWG STR	2	2.17	4
PCSB600-2S-4Y	600 kcmil – #4 AWG STR	2	2.72	4
PCSB600-4S-2Y	600 kcmil – #4 AWG STR	4	5.28	2

In-Line Splicer/Reducer with Clear Insulation

Type PISR

- For use with aluminum or copper code conductors
- Made from high strength, extruded aluminum alloy to provide premium electrical and mechanical performance
- Insulated with clear PVC to eliminate the need for taping and allow for visual inspection of the complete conductor insertion

LISTED CERTIFIED

Part Number	Conductor Size Range	Length (In.)	Std. Pkg. Qty.
PISR2-1	#2 AWG STR – #14 AWG SOL	2.38	1
PISR250-1	250 kcmil – #10 AWG SOL	4.00	1
PISR350-1	350 kcmil – #10 AWG SOL	4.63	1
PISR500-1	500 kcmil – #6 AWG SOL	5.25	1

Multi-Tap Connector with Clear Insulation, Double-Sided, with Mounting Holes

Type PCSBMT

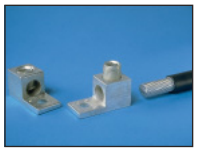
- For use with aluminum or copper code conductors
- Body made from high strength, extruded aluminum alloy to provide premium electrical and mechanical performance
- Insulated with clear PVC to eliminate the need for taping and allow for visual inspection of the complete conductor insertion

LISTED CERTIFIED

Part Number	Conductor Size Range	No. of Ports	Length (In.)	Std. Pkg. Qty.
PCSBMT2/0-4-3Y	2/0 AWG STR – #14 AWG STR	4	4.20	3
PCSBMT250-4-2Y	250 kcmil – #10 AWG STR	4	5.78	2
PCSBMT350-4-2Y	350 kcmil – #10 AWG STR	4	6.17	2
PCSBMT600-4-2Y	600 kcmil – #4 AWG STR	4	7.84	2

Guidelines for Installing Aluminum Mechanical Connectors

1. Select the correct connector for your application



- Always use an aluminum conductor with an aluminum connector
- Verify that the connector is marked for the conductor size and type that you are using

2. Remove the insulation from insulated cable

- See page C2.22 for *PANDUIT* cable stripping tool
- Use care to avoid nicking the conductor strands
- Strip the insulation to the proper length as listed in the installation instructions provided with *PANDUIT* connectors

3. Clean the exposed conductor using a wire brush or an emery cloth

- In a similar manner, clean an unplated connector pad and the surface to which the connector will be attached
- Solvent should be used to clean plated parts that are dirty, but the plating should never be disturbed with abrasives

4. Apply *PANDUIT* joint compound to the clean conductor for mechanical connector applications (see page C2.16)

- Joint compound will deter the formation of surface oxides after installation
- Aluminum compression connectors and insulated mechanical connectors are pre-filled with joint compound

5. Insert the conductor into the connector and:

- For mechanical connectors, tighten the screws to the recommended torque values
- For compression connectors, use the recommended die and crimping tool to make the proper compression connection

For making electrical connections using connectors that are dual rated for use with aluminum or copper conductors, *PANDUIT* recommends installers reference American National Standard NECA/AA 104-2006, Recommended Practice for Installing Aluminum Building Wire and Cable as published by the National Electrical Contractors Association and jointly developed by The Aluminum Association.

PAN-LUG™ Grounding Connectors

Code Conductor, Thin Wall, CTAP

Type CTAPF

- For copper-to-copper tapping, splicing or pigtailing
- Color coded for proper crimp die selection
- *UL Listed and CSA Certified when crimped with PANDUIT and specified competitor crimping tools and dies*

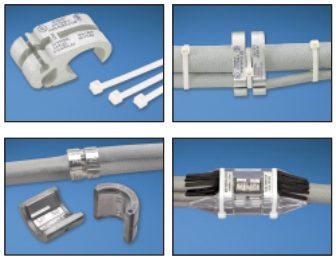
c UL us LISTED CSA CERTIFIED

Part Number	Copper Conductor Size Run	Copper Conductor Size Tap	Length (In.)	*PANDUIT* Color Code	Std. Pkg. Qty.
CTAPF10-16-C*	#14 AWG	#16 – #14 AWG	.41	Red	100
	#12 AWG	#16 – #12 AWG			
	#10 AWG	#14 AWG			
CTAPF8-12-C	#10 AWG	#10 AWG	.67	Blue	100
	#8 AWG	#12 AWG			
CTAPF6-12-C	#8 AWG	#10 – #8 AWG	.67	Gray	100
	#6 AWG	#12 – #10 AWG			
CTAPF4-12-C	#6 AWG	#8 – #6 AWG	1.25	Brown	100
	#5, #4 AWG	#12 – #8 AWG			
CTAPF3-12-C	#5, #4 AWG	#6 – #5 AWG	1.25	Green	100
	#3 AWG	#12 – #6 AWG			
CTAPF2-12-C	#4 AWG	#4 AWG	1.25	Pink	100
	#3 AWG	#5 AWG			
	#2 AWG	#12 – #6 AWG			
CTAPF1-12-C	#3 AWG	#4 – #3 AWG	1.82	Black	100
	#2 AWG	#5 – #4 AWG			
	#1 AWG	#12 – #5 AWG			
CTAPF1/0-12-L	#2 AWG	#4 – #2 AWG	1.82	Orange	50
	#1 AWG	#4 – #3 AWG			
	1/0 AWG	#12 – #4 AWG			
CTAPF2/0-12-Q	#1 AWG	#2 – #1 AWG	1.82	Purple	25
	1/0 AWG	#3 – #2 AWG			
	2/0 AWG	#12 – #3 AWG			
CTAPF3/0-12-Q	1/0 AWG	#1 – 1/0 AWG	1.82	Yellow	25
	2/0 AWG	#2 – #1 AWG			
	3/0 AWG	#12 – #2 AWG			

*CTAPF10-16-C available with square, not flared ends.

PANDUIT®

Code/Flex Conductor HTAP Kit



Type HTWC

- Includes all components to make a complete HTAP and cover installation: HTCT HTAP, matching CLRCVR clear cover and cable ties
- HTAPs incorporate a unique slotted design that allows for quick and easy installation using supplied *PANDUIT* cable ties; saves time and cost

- *UL Listed and CSA Certified when crimped with PANDUIT and specified competitor crimping tools and dies*

Part Number	Copper Conductor Size Range					Std. Pkg. Qty.
	Wire Strand Type	Run	Tap 1	Tap 2	Tap 3	
HTWC8-8-1	Code	#8 – #14 AWG	#8 – #14 AWG	—	—	1
	Flex	#8 – #14 AWG	#8 – #14 AWG	—	—	
HTWC6-6-1	Code	#6 – #10 AWG	#6 – #14 AWG	—	—	1
	Flex	#6 – #10 AWG	#6 – #14 AWG	—	—	
HTWC2-2-1	Code	#2 – #6 AWG STR/SOL	#2 – #6 AWG STR/SOL	#8 – #14 AWG	#8 – #14 AWG	1
	Flex	#2 – #8 AWG	#2 – #8 AWG	#8 – #14 AWG	#8 – #14 AWG	
HTWC250-2-1	Code	250 kcmil – #2 AWG	#2 – #6 AWG STR/SOL	#8 – #14 AWG	—	1
	Flex	4/0 – #2 AWG	#2 – #8 AWG	#8 – #14 AWG	—	
HTWC250-250-1	Code	250 kcmil – #2 AWG	250 kcmil – #2 AWG	—	—	1
	Flex	4/0 – #2 AWG	4/0 – #2 AWG	—	—	
HTWC500-250-1	Code	500 kcmil – 4/0 AWG	250 kcmil – 1/0 AWG	#1 – #6 AWG SOL	#8 – #14 AWG	1
	Flex	373 kcmil – 4/0 AWG	4/0 – 1/0 AWG	#1 – #8 AWG	#8 – #14 AWG	
HTWC750-4/0-1	Code	750 – 350 kcmil	4/0 – 1/0 AWG	#1 – #6 AWG STR/SOL	#2 – #14 AWG	1
	Flex	550 – 500 kcmil	250 kcmil – 1/0 AWG	#1 – #8 AWG	#2 – #14 AWG	
HTWC1000-250-1	Code	1000 – 750 kcmil	250 kcmil – 1/0 AWG	#1 – #2 AWG	—	1
	Flex	777 – 500 kcmil	4/0 – 1/0 AWG	#1 – #2 AWG	—	

HTAPs and clear covers also sold separately.

Service Post Connector, Male Stud, Single Conductor, Bronze

Type SP1

- For grounding one copper code conductor to steel structures, busbars or transformers or for tapping from busbar with hex nut and washer
- Offered with standard and long stud lengths to accommodate a variety of mounting applications
- UL Listed for grounding and bonding and suitable for direct burial in earth or concrete

c UL us LISTED

Part Number	Conductor Size Range	Stud Size*	Body Length (In.)	Thread Length (In.)	Std. Pkg. Qty.
SP1-8-C	#12 SOL – #8 STR	1/4 – 20	.63	.50	100
SP1-8L-C			.63	1.00	
SP1-7-C	#8 SOL – #7 STR	1/4 – 20	.88	.50	100
SP1-7L-C			.88	1.00	
SP1-4-C	#10 SOL – #4 STR	5/16 – 18	.94	.56	100
SP1-4L-C			.94	1.00	
SP1-3-C	#6 SOL – #3 STR	3/8 – 16	1.06	.63	100
SP1-3L-C			1.06	1.13	
SP1-2-C	#4 STR – #2 STR	3/8 – 16	1.06	.63	100
SP1-2L-C			1.06	1.13	
SP1-1/0-L	#6 SOL – 1/0 STR	1/2 – 13	1.31	.75	50
SP1-1/0L-L			1.31	1.25	
SP1-2/0-Q	#1 SOL – 2/0 STR	1/2 – 13	1.44	.75	25
SP1-2/0L-Q			1.44	1.25	
SP1-4/0-Q	3/0 SOL – 4/0 STR	5/8 – 11	1.69	1.00	25
SP1-4/0L-Q			1.69	1.50	
SP1-350-12	4/0 STR – 350 kcmil	5/8 – 11	2.00	1.00	12
SP1-350L-12			2.00	1.50	
SP1-500-12	250 kcmil – 500 kcmil	3/4 – 10	2.31	1.38	12
SP1-500L-12			2.31	1.75	

*UNC threads.

PANDUIT®

Service Post Connector, Male Stud, Two Conductor, Bronze

Type SP2

- For grounding two copper code conductors to steel structures, busbars or transformers or for tapping from busbar with hex nut and washer
- Offered with standard and long stud lengths to accommodate a variety of mounting applications
- UL Listed for grounding and bonding and suitable for direct burial in earth or concrete

c UL us LISTED

Part Number	Conductor Size Range	Stud Size*	Body Length (In.)	Thread Length (In.)	Std. Pkg. Qty.
SP2-8-C	#12 SOL – #8 STR	1/4 – 20	.75	.50	100
SP2-8L-C			.75	1.00	
SP2-7-C	#10 SOL – #7 STR	1/4 – 20	1.00	.50	100
SP2-7L-C			1.00	1.00	
SP2-4-C	#10 SOL – #4 STR	5/16 – 18	1.16	.56	100
SP2-4L-C			1.16	1.00	
SP2-3-C	#10 SOL – #3 STR	3/8 – 16	1.09	.63	100
SP2-3L-C			1.09	1.13	
SP2-2-C	#10 SOL – #2 STR	3/8 – 16	1.38	.63	100
SP2-2L-C			1.28	1.13	
SP2-1/0-L	#2 SOL – 1/0 STR	1/2 – 13	1.69	.75	50
SP2-1/0L-L			1.69	1.25	
SP2-2/0-Q	#2 SOL – 2/0 STR	1/2 – 13	1.88	.75	25
SP2-2/0L-Q			1.88	1.25	
SP2-4/0-Q	#1 SOL – 4/0 STR	5/8 – 11	2.25	1.00	25
SP2-4/0L-Q			2.25	1.50	
SP2-350-12	#1 STR – 350 kcmil	5/8 – 11	2.69	1.00	12
SP2-350L-12			2.69	1.50	
SP2-500-12	3/0 STR – 500 kcmil	3/4 – 10	3.19	1.38	12
SP2-500L-12			3.19	1.75	

*UNC threads.

Grounding Clamp, U-Bolt, Bronze

Type GPL

- Used to ground copper conductor parallel or at a right angle to a rod, tube or pipe
- High strength silicon bronze hardware provides long term reliable assembly
- UL Listed for grounding and bonding and suitable for direct burial in earth or concrete

c UL us LISTED

Part Number	Ground Rod Size (In.)	Iron Pipe Size (In.)	Conductor Size Range	Std. Pkg. Qty.
GPL-4-Q	5/8 or 3/4	3/8	#8 SOL – #4 STR	25
GPL-5-Q	5/8 or 3/4	3/8	#4 SOL – 2/0 STR	25
GPL-6-Q	5/8 or 3/4	3/8	2/0 SOL – 250 kcmil	25
GPL-8-Q	7/8 or 1	1/2 or 3/4	#8 SOL – #4 STR	25
GPL-9-Q	7/8 or 1	1/2 or 3/4	#4 SOL – 2/0 STR	25
GPL-10-Q	7/8 or 1	1/2 or 3/4	2/0 SOL – 250 kcmil	25
GPL-14-X	—	1	#8 SOL – #4 STR	10
GPL-15-X	—	1	#4 SOL – 2/0 STR	10
GPL-16-X	—	1	2/0 SOL – 250 kcmil	10
GPL-20-X	—	1 1/4	#8 SOL – #4 STR	10
GPL-21-X	—	1 1/4	#4 SOL – 2/0 STR	10
GPL-22-X	—	1 1/4	2/0 SOL – 250 kcmil	10
GPL-26-X	—	1 1/2	#8 SOL – #4 STR	10
GPL-27-X	—	1 1/2	#4 SOL – 2/0 STR	10
GPL-28-X	—	1 1/2	2/0 SOL – 250 kcmil	10
GPL-32-3	—	2	#8 SOL – #4 STR	3
GPL-33-3	—	2	#4 SOL – 2/0 STR	3
GPL-34-3	—	2	2/0 SOL – 250 kcmil	3
GPL-39-3	—	2 1/2	#4 SOL – 2/0 STR	3
GPL-40-3	—	2 1/2	2/0 SOL – 250 kcmil	3
GPL-44-1	—	3	#8 SOL – #4 STR	1
GPL-45-1	—	3	#4 SOL – 2/0 STR	1
GPL-46-1	—	3	2/0 SOL – 250 kcmil	1
GPL-51-1	—	3 1/2	#4 SOL – 2/0 STR	1
GPL-52-1	—	3 1/2	2/0 SOL – 250 kcmil	1
GPL-57-1	—	4	#4 SOL – 2/0 STR	1
GPL-58-1	—	4	2/0 SOL – 250 kcmil	1

Grounding Clamp for Water Pipes, Bronze

Type KP

- Used to ground copper code conductor to water pipe or copper tube
- Accommodates a wide range of pipe, tube, rod and conductor sizes – minimizes inventory
- UL Listed for grounding and bonding and suitable for direct burial in earth or concrete

Part Number	Water Pipe Range (In.)	Conductor Size Range	Std. Pkg. Qty.
KP1-C	1/2 – 1	#10 SOL – #2 STR	100
KP2-L	1 1/4 – 2	#10 SOL – #2 STR	50

Grounding Clamp for Water Pipes, Aluminum

Type GC

- Dual rated for grounding aluminum or copper code conductors to copper water pipe, galvanized pipe, or steel conduit
- Tin plated to inhibit corrosion and oxidation and for low contact resistance
- UL Listed for grounding and bonding

Part Number	Conduit, Pipe, or Water Tube Size (In.)	Conductor Size Range	Std. Pkg. Qty.
GC-15A-Q	1/2 – 3/4 – 1	#14 AWG – 1/0 AWG	25
GC-18A-X	1 1/4 – 1, 1/2 – 2	#6 AWG – 250 kcmil	10
GC-22A-4	2 1/2 – 3 – 3 1/2 – 4	#6 AWG – 250 kcmil	4

Grounding Rod Clamp, Bronze

Type WB

- Used for grounding copper conductor parallel to ground rods
- High strength silicon bronze hardware provides long term reliable assembly
- UL Listed and CSA Certified for grounding and bonding and suitable for direct burial in earth and concrete

Part Number	Ground Rod Size (In.)	Conductor Size Range	Std. Pkg. Qty.
WB12-L	1/2	#2 – #10 STR, #10 SOL	50
WB34-X	5/8 3/4	1/0 – #8 STR #2 – #8 STR	10
WB58-Q	5/8	1/0 – #8 STR	25

Grounding Clamp for Flat Surfaces, Bronze

Type GMS

- Used to ground copper code conductor to flat surfaces
- High strength silicon bronze hardware for long term reliable assembly
- UL Listed for grounding and bonding and suitable for direct burial in earth or concrete

c UL us LISTED

Part Number	Conductor Size Range	Length (In.)	Height (In.)	Std. Pkg. Qty.
GMS-1-X	#8 SOL – #4 STR	1.25	1.63	10
GMS-2-Q	#4 SOL – 2/0 STR	1.63	1.75	25
GMS-3-Q	2/0 SOL – 250 kcmil	2.13	2.00	25

Grounding Clamp with Spacer for Flat Surfaces, Bronze

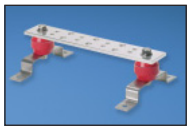
Type GM

- Used to ground copper code conductor to flat surfaces
- High strength silicon bronze hardware for long term reliable assembly
- UL Listed for grounding and bonding and suitable for direct burial in earth or concrete

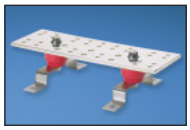
c UL us LISTED

Part Number	Conductor Size Range	Length (In.)	Height (In.)	Std. Pkg. Qty.
GM-2-Q	#4 SOL – 2/0 STR	1.63	1.75	25
GM-3-Q	2/0 SOL – 250 kcmil	2.13	2.00	25

BICSI/J-STD-607-A Telecommunications Grounding Busbars



TGB



TMGB

- Meets BICSI and J-STD-607-A requirements for network systems grounding applications
- Made of high conductivity copper and tin plated to inhibit corrosion
- Comes pre-assembled with brackets and insulators attached for quick installation

c UL us LISTED

Part Number	Bar Size	No. of Mounting Positions: 1/4" Stud Hole with 5/8" Hole Spacing	No. of Mounting Positions: 3/8" Stud Hole with 1" Hole Spacing	Std. Pkg. Qty.
Telecommunications Grounding Busbars (TGB)				
GB2B0304TPI-1	1/4" x 2" x 10"	4	3	1
GB2B0306TPI-1	1/4" x 2" x 12"	6	3	1
GB2B0312TPI-1	1/4" x 2" x 20"	12	3	1
Telecommunications Main Grounding Busbars (TMGB)				
GB4B0612TPI-1	1/4" x 4" x 12"	12	6	1
GB4B0624TPI-1	1/4" x 4" x 20"	24	6	1

Component Labels for BICSI/J-STD-607-A Telecommunications Grounding Busbars

Suggested Label Solutions for TIA/EIA-606-A Compliance			
Telecommunications Grounding Busbar Part Number	Laser/Ink Jet Desktop Printer Label	TDP43M Thermal Transfer Desktop Printer Label	PANTHER™ LS8 Hand-Held Printer Label
All GB2B parts and GB4B parts	C200X100FJJ	C200X100YPT	C200X100FJC

For complete labeling solutions and product information, reference charts on pages D1.1 – D1.17.

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

Identification & Labeling

EASY-MARK™ Labeling Software

- Simplifies label creation for the specific needs of your applications
- Intuitive interview process allows automatic generation of compliant labels and signs
- Software selects and formats the optimum label for your specific project
- **WYSIWYG** (What You See Is What You Get) user interface, alpha/numeric serialization, data import, symbol import

System Requirements:

- WINDOWS^ 2000, NT4.x or XP; 64 MB hard drive space and 64 MB RAM (256 MB RAM recommended)

Part Number	Part Description	Std. Pkg. Qty.
PROG-EMCD3	*EASY-MARK*™ Labeling Software, supplied on CD-ROM.	1

^WINDOWS is a registered trademark of Microsoft Corp. in the United States and/or other countries.

PANTHER™ LS8E Hand-Held Thermal Transfer Printer and Accessories

LS8E

LS8E-KIT

- Cut-to-length functionality eliminates label waste and label trimming labor
- Partial cut feature available to provide tear-apart strips of labels
- Prints self-laminating labels, heat shrink tubing, die-cut component labels and continuous tape
- USB interface for importing data, system upgrades and printing from a wireless laptop or desktop computer

Part Number	Part Description	Std. Pkg. Qty.
LS8E-KIT	Includes LS8E printer, 1 cassette of S100X150VAC self-laminating labels, 6 AA alkaline batteries, rigid carrying case, LS8-PCKIT, LS8-IB, LS8-WS and quick reference card.	1
LS8E	Includes LS8E printer, 1 cassette of S100X150VAC self-laminating labels, 6 AA alkaline batteries and quick reference card.	1
LS8E-ACS*	120 VAC power adapter for North America.	1
LS8-CASE	Rigid carrying case.	1
LS8-PCKIT	Includes USB cable and PC interface software for importing data, system upgrades or printing from a wireless laptop or desktop computer.	1
LS8-IB	Protective impact bumper.	1
LS8-WS	Wrist strap.	1
LS8-CLN	Cleaning kit.	1

*Cannot be used to charge batteries.

PANTHER™ LS8E Self-Laminating Label Cassettes

- Labels offer crisp, clear legends with superior legibility
- Self-laminating labels for wire/cable labeling include a colored print-on area and clear overlaminate to protect the legend for clear and durable identification
- Labels are available in a large range of wire/cable sizes

Part Number	Part Description	Std. Pkg. Qty.
S050X075VAC	.50" wide x .75" length x .25" white print-on height, vinyl label. For use with wire outside diameters ranging from .08" – .16", 450/cassette.	1
S050X125VAC	.50" wide x 1.25" length x .38" white print-on height, vinyl label. For use with wire outside diameters ranging from .12" – .28", 225/cassette.	1
S050X150VAC	.50" wide x 1.50" length x .50" white print-on height, vinyl label. For use with wire outside diameters ranging from .16" – .32", 200/cassette.	1
S075X075VAC	.75" wide x .75" length x .25" white print-on height, vinyl label. For use with wire outside diameters ranging from .08" – .16", 350/cassette.	1
S075X100VAC	.75" wide x 1.00" length x .38" white print-on height, vinyl label. For use with wire outside diameters ranging from .08" – .16", 275/cassette.	1
S075X125VAC	.75" wide x 1.25" length x .38" white print-on height, vinyl label. For use with wire outside diameters ranging from .12" – .28", 225/cassette.	1
S075X150VAC	.75" wide x 1.50" length x .50" white print-on height, vinyl label. For use with wire outside diameters ranging from .16" – .32", 200/cassette.	1
S100X075VAC	1.00" wide x .75" length x .25" white print-on height, vinyl label. For use with wire outside diameters ranging from .08" – .16", 350/cassette.	1
S100X125VAC	1.00" wide x 1.25" length x .38" white print-on height, vinyl label. For use with wire outside diameters ranging from .12" – .28", 225/cassette.	1
S100X150VAC	1.00" wide x 1.50" length x .50" white print-on height, vinyl label. For use with wire outside diameters ranging from .16" – .32", 200/cassette.	1
S100X225VAC	1.00" wide x 2.25" length x .75" white print-on height, vinyl label. For use with wire outside diameters ranging from .24" – .48", 125/cassette.	1
S100X400VAC	1.00" wide x 4.00" length x 1.00" white print-on height, vinyl label. For use with wire outside diameters ranging from .32" – .95", 75/cassette.	1
S100X650VAC	1.00" wide x 6.50" length x 1.50" white print-on height, vinyl label. For use with wire outside diameters ranging from .48" – 1.59", 50/cassette.	1

PANTHER™ LS8E Continuous Heat Shrink Label Cassettes

- Labels offer crisp, clear legends with superior legibility
- Meets UL Standard 224 for flammability
- Shrink ratio 3:1
- Each cassette contains a continuous roll of flattened polyolefin that can be cut-to-length and partially cut

Part Number	Part Description	Std. Pkg. Qty.
H000X025F1C	.25" wide, 1/8" diameter continuous heat shrinkable polyolefin. For use with wire outside diameters ranging from .04" – .13", 8 feet/cassette.	1
H000X034F1C	.34" wide, 3/16" diameter continuous heat shrinkable polyolefin. For use with wire outside diameters ranging from .06" – .19", 8 feet/cassette.	1
H000X044F1C	.44" wide, 1/4" diameter continuous heat shrinkable polyolefin. For use with wire outside diameters ranging from .08" – .25", 6 feet/cassette.	1
H000X084F1C	.84" wide, 1/2" diameter continuous heat shrinkable polyolefin. For use with wire outside diameters ranging from .17" – .50", 6 feet/cassette.	1

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

PANTHER™ LS8E General Component Label Cassettes

- Labels offer crisp, clear legends with superior legibility
- Die-cut labels designed to provide maximum aesthetic quality and appearance
- Available in polyester and vinyl cloth materials

Part Number	Part Description	Std. Pkg. Qty.
C060X020YJC	.60" width x .20" height, white polyester label, 750/cassette.	1
C100X025YJC	1.00" width x .25" height, white polyester label, 500/cassette.	1
C100X050CBC	1.00" width x .50" height, white vinyl cloth label, 175/cassette.	1
C100X050YJC	1.00" width x .50" height, white polyester label, 500/cassette.	1
C150X075YJC	1.50" width x .75" height, white polyester label, 250/cassette.	1
C200X050CBC	2.00" width x .50" height, white vinyl cloth label, 50/cassette.	1
C200X050YJC	2.00" width x .50" height, white polyester label, 200/cassette.	1
C200X100YJC	2.00" width x 1.00" height, white polyester label, 200/cassette.	1

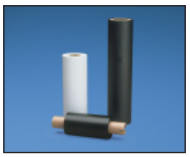
TDP43M Thermal Transfer Desktop Printer and Accessories

- Compact, lightweight design enables use in office or remote locations
- 300 dpi thermal transfer printer creates crisp, clear legends with superior legibility
- Up to 2.00" per second print speed for fast label production
- Use to print a wide variety of self-laminating labels, component labels, non-laminated labels, heat shrink labels, marker plates and continuous tapes up to 4.00" wide
- *PANDUIT® EASY-MARK™* Labeling Software and hybrid ribbon included with printer

Part Number	Part Description	Std. Pkg. Qty.
TDP43M	300 dpi printer; includes printer, *PANDUIT® EASY-MARK™* Labeling Software, RMH4BL hybrid black ribbon, AC power adapter with US and Europlug power cords, manual and quick start card.	1
TDP43M-RS	External label roll stand – used to rear feed labels that are supplied on 3.00" cores.	1
TDP43M-AC	Replacement AC power adapter with power cord (US cord only).	1
TDP43M-CASE	Hardside carrying case. Accommodates printer, AC power adapter, ribbons, printer cable, labels and tools.	1
PTR-CLN	Printer cleaning kit – contains bottle of cleaning solution with MSDS, cleaning pen, swabs, alcohol wipes and cleaning instructions.	1

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

Ribbons for Use with the TDP43M Thermal Transfer Desktop Printer



- Hybrid – Recommended/preferred for use with self-laminating, heat shrink, component and non-laminated labels
- Wax – Recommended for use with self-laminating and non-laminated labels
- Resin – Recommended/preferred for use with component labels and continuous tape

Part Number	Part Description	Std. Pkg. Qty.
RMH2BL	2.52" x 240.0', black, hybrid thermal transfer ribbon. For use with self-laminating, component, heat shrink and non-laminated labels.	1
RMH4BL	4.33" x 240.0', black, hybrid thermal transfer ribbon. For use with self-laminating, component, heat shrink and non-laminated labels.	1
RMW2BL	2.52" x 240.0', black, wax thermal transfer ribbon. For use with self-laminating vinyl and non-laminated labels.	1
RMW4BL	4.33" x 240.0', black, wax thermal transfer ribbon. For use with self-laminating vinyl and non-laminated labels.	1
RMR2BL	2.52" x 240.0', black, resin thermal transfer ribbon. For use with component labels and continuous tape.	1
RMR2WH	2.52" x 240.0', white, resin thermal transfer ribbon. For use with component labels and continuous tape.	1
RMR4BL*	4.33" x 240.0', black, resin thermal transfer ribbon. For use with component labels and continuous tape.	1

*Other colors available, replace BL (Black) with WH (White), BU (Blue), GR (Green) or RD (Red).

Thermal Transfer Self-Laminating Labels

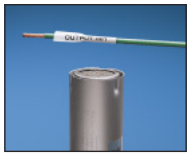
- Labels offer crisp, clear legends with superior legibility
- Self-laminating labels supplied on rolls, include a white print-on area and clear overlaminate to protect the legend for clear and durable identification
- *PANDUIT* labeling software packages include all label formats for quick and easy label production

Part Number	Part Description	Std. Pkg. Qty.
S100X075VATY	1.00" wide x .75" length x .25" white print-on height, vinyl label. For use with wire outside diameters ranging from .08" – .16".	5000
S100X125VATY	1.00" wide x 1.25" length x .38" print-on height, vinyl label. For use with wire outside diameters ranging from .12" – .28".	5000
S100X150VATY	1.00" width x 1.50" length x .50" white print-on height, vinyl label. For use with wire outside diameters ranging from .16" – .32".	5000
S100X225VATY	1.00" width x 2.25" length x .75" white print-on height, vinyl label. For use with wire outside diameters ranging from .24" – .48".	5000
S100X400VATY	1.00" width x 4.00" length x 1.00" white print-on height, vinyl label. For use with wire outside diameters ranging from .32" – .95".	2500
S100X650VATY	1.00" width x 6.50" length x 1.50" white print-on height, vinyl label. For use with wire outside diameters ranging from .48" – 1.59".	1000
S200X225VATY	2.00" width x 2.25" length x .75" white print-on height, vinyl label. For use with wire outside diameters ranging from .24" – .48".	1000
S200X400VATY	2.00" width x 4.00" length x 1.00" white print-on height, vinyl label. For use with wire outside diameters ranging from .32" – .95".	1000
S200X650VATY	2.00" width x 6.50" length x 1.50" white print-on height, vinyl label. For use with wire outside diameters ranging from .48" – 1.59".	1000

For best results use the *PANDUIT* TDP43M Thermal Transfer Desktop Printer and hybrid or wax ribbons found on page D1.7.

Labels are roll mounted on 3.00" cores; when using the TDP43M printer, the roll stand (TDP43M-RS) is required.

Thermal Transfer Commercial Grade Heat Shrink Labels



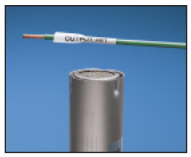
- Meets UL Standard 224 for flammability
- Pre-cut flattened white polyolefin with a shrink ratio 3:1; can be printed in both thermal transfer and dot matrix printers
- *PANDUIT* labeling software packages include all label formats for quick and easy label production

Part Number	Part Description	Std. Pkg. Qty.
H100X025F1T	1.00" wide x .25" height, 1/8" diameter flattened polyolefin label, 1000/roll. For use with wire outside diameters ranging from .04" – .13".	1
H100X034F1T	1.00" wide x .34" height, 3/16" diameter flattened polyolefin label, 1000/roll. For use with wire outside diameters ranging from .06" – .19".	1
H100X044F1T	1.00" wide x .44" height, 1/4" diameter flattened polyolefin label, 1000/roll. For use with wire outside diameters ranging from .08" – .25".	1
H100X064F1T	1.00" wide x .64" height, 3/8" diameter flattened polyolefin label, 1000/roll. For use with wire outside diameters ranging from .13" – .38".	1
H100X084F1T	1.00" wide x .84" height, 1/2" diameter flattened polyolefin label, 1000/roll. For use with wire outside diameters ranging from .17" – .50".	1
H100X165F1T	1.00" wide x 1.65" height, 1.00" diameter flattened polyolefin label, 500/roll. For use with wire outside diameters ranging from .33" – 1.00".	1

Use with *PANDUIT* thermal transfer ribbons found on page D1.7. Labels are roll mounted on 3.00" cores; when using the TDP43M printer and 3.00" cores, the roll stand (TDP43M-RS) is required. Bulk packaging available, add "-B" to end of part number. Bulk packaging is 5 times roll quantity.

Continued on page D1.10

Thermal Transfer Commercial Grade Heat Shrink Labels (continued)



Part Number	Part Description	Std. Pkg. Qty.
H200X025F1T	2.00" wide x .25" height, 1/8" diameter flattened polyolefin label, 500/roll. For use with wire outside diameters ranging from .04" – .13".	1
H200X034F1T	2.00" wide x .34" height, 3/16" diameter flattened polyolefin label, 500/roll. For use with wire outside diameters ranging from .06" – .19".	1
H200X044F1T	2.00" wide x .44" height, 1/4" diameter flattened polyolefin label, 500/roll. For use with wire outside diameters ranging from .08" – .25".	1
H200X064F1T	2.00" wide x .64" height, 3/8" diameter flattened polyolefin label, 500/roll. For use with wire outside diameters ranging from .13" – .38".	1
H200X084F1T	2.00" wide x .84" height, 1/2" diameter flattened polyolefin label, 500/roll. For use with wire outside diameters ranging from .17" – .50".	1
H200X165F1T	2.00" wide x 1.65" height, 1.00" diameter flattened polyolefin label, 250/roll. For use with wire outside diameters ranging from .33" – 1.00".	1

Use with *PANDUIT* thermal transfer ribbons found on page D1.7.
Labels are roll mounted on 3.00" cores; when using the TDP43M printer and 3.00" cores, the roll stand (TDP43M-RS) is required.
Bulk packaging available, add “-B” to end of part number. Bulk packaging is 5 times roll quantity.

Thermal Transfer Component Labels

- Labels offer crisp, clear legends with superior legibility
- Available in polyester and vinyl cloth materials and supplied on rolls
- *PANDUIT* labeling software packages include all label formats for quick and easy label production

Part Number	Part Description	Std. Pkg. Qty.
C100X050YJT	1.00" wide x .50" height, white polyester label.	10000
C100X050CBT	1.00" wide x .50" height, white vinyl cloth label.	10000
C200X050YJT	2.00" wide x .50" height, white polyester label.	5000
C400X100YJT	4.00" wide x 1.00" height, white polyester label.	2500

For best results use the *PANDUIT* TDP43M Thermal Transfer Desktop Printer and ribbons found on page D1.7.

Labels are roll mounted on 3.00" cores; when using the TDP43M printer, the roll stand (TDP43M-RS) is required.

Laser/Ink Jet Self-Laminating Labels

- Include a white print-on area and clear overlaminate to protect the legend for clear and durable identification; can be printed in both laser and ink jet printers
- Available in polyester material and supplied on 8.50" x 11.00" sheets
- *PANDUIT* labeling software packages include all label formats for quick and easy label production

Part Number	Part Description	Std. Pkg. Qty.
S100X075YAJ	1.00" wide x .75" length x .25" white print-on height, polyester label. For use with wire outside diameters ranging from .08" – .16".	2500
S100X125YAJ	1.00" wide x 1.25" length x .38" print-on height, polyester label. For use with wire outside diameters ranging from .12" – .28".	2500
S100X150YAJ	1.00" wide x 1.50" length x .50" print-on height, polyester label. For use with wire outside diameters ranging from .16" – .32".	2500
S100X225YAJ	1.00" wide x 2.25" length x .75" print-on height, polyester label. For use with wire outside diameters ranging from .24" – .48".	1000
S100X400YAJ	1.00" wide x 4.00" length x 1.00" print-on height, polyester label. For use with wire outside diameters ranging from .32" – .95".	1000
S100X650YAJ	1.00" wide x 6.50" length x 1.50" print-on height, polyester label. For use with wire outside diameters ranging from .48" – 1.59".	1000
S200X225YAJ	2.00" wide x 2.25" length x .75" print-on height, polyester label. For use with wire outside diameters ranging from .24" – .48".	1000
S200X400YAJ	2.00" wide x 4.00" length x 1.00" print-on height, polyester label. For use with wire outside diameters ranging from .32" – .95".	1000
S200X650YAJ	2.00" wide x 6.50" length x 1.50" print-on height, polyester label. For use with wire outside diameters ranging from .48" – 1.59".	500

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

Laser/Ink Jet Component Labels

- Labels can be printed in both laser and ink jet printers
- Available in polyester material and supplied on 8.50" x 11.00" sheets
- *PANDUIT* labeling software packages include all label formats for quick and easy label production

Part Number	Part Description	Std. Pkg. Qty.
C075X025YJJ	.75" wide x .25" height, polyester label.	10000
C080X020YJJ	.80" wide x .20" height, polyester label.	10000
C100X050YJJ	1.00" wide x .50" height, polyester label.	10000
C200X050YJJ	2.00" wide x .50" height, polyester label.	1000
C400X100YJJ	4.00" wide x 1.00" height, polyester label.	1000

Wire Markers

Pre-Printed Marker Books

- Convenient, pocket-sized book
- Markers are perforated and can be torn in half to mark both ends of conductors
- Terminal block markers are included to properly identify connectors

Part Number	Part Description	Std. Pkg. Qty.
PCMB-1	.22" wide x 1.38" length, vinyl cloth, 45 markers each legend 0 thru 9.	1
PCMB-2	.22" wide x 1.38" length, vinyl cloth, 10 markers each legend A thru Z, 0 thru 15, +, –, /.	1
PCMB-3	.22" wide x 1.38" length, vinyl cloth, 10 markers each legend 1 thru 45.	1
PCMB-4	.22" wide x 1.38" length, vinyl cloth, 150 markers each legend 1, 2, 3.	1
PCMB-5	.22" wide x 1.38" length, vinyl cloth, 150 markers each legend A, B, C.	1
PCMB-6	.22" wide x 1.38" length, vinyl cloth, 150 markers each legend T1, T2, T3.	1
PCMB-7	.22" wide x 1.38" length, vinyl cloth, 150 markers each legend L1, L2, L3.	1
PCMB-8	.22" wide x 1.38" length, vinyl cloth, 6 markers each legend, 1 thru 15; 4 markers each legend, 16 thru 90; 2 markers each legend, A thru Z, +, –, /, 0.	1
PCMB-9	.22" wide x 1.38" length, vinyl cloth, 45 markers each legend, 1, 2, 3, A, B, C; 30 markers each legend, L1, L2, L3, T1, T2, T3.	1
PCMB-10	.22" wide x 1.38" length, vinyl cloth, 45 markers each legend, solid NEMA colors.	1
PCMB-11	.22" wide x 1.38" length, vinyl cloth, 15 markers each legend, 1 thru 30.	1

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

Pre-Printed Marker Books (continued)

Part Number	Part Description	Std. Pkg. Qty.
PCMB-12	.22" wide x 1.38" length, vinyl cloth, 15 markers each legend, A thru Z; 8 markers each legend, +; 7 markers each legend, –; 21 markers each legend, blank.	1
PCMB-13	.22" wide x 1.38" length, vinyl cloth, 45 markers each legend, +, –, AC, DC; 33 markers each legend, POS, NEG, GND; 27 markers each legend, NEUT; 21 markers each legend, SPARE, blank.	1
PCMB-14	.22" wide x 1.38" length, vinyl cloth, 10 markers each legend, 46 thru 90.	1
PCMB-15	.20" wide x 1.38" length, vinyl cloth, 10 markers each legend, 0 thru 45, +, –.	1
PCMB-16	.22" wide x 1.38" length, vinyl cloth, 10 markers each legend, 0 thru 33, A, B, C, +, –, L1, L2, L3, T1, T2, T3.	1
PCMB-25	.22" wide x 1.38" length, vinyl cloth, 45 markers each legend, 0 thru 9; 15 markers each legend, L1, L2, L3, T1, T2, T3.	1

Pre-Printed Marker Tape Dispenser

- Flexible polyester marker tape conforms tightly to wires/cables
- Dispenser allows marker tape to be cut to the exact length required for marking any size wire/cable
- Durable plastic dispenser can be attached to toolbelt for industrial use

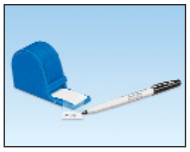
Part Number	Part Description	Std. Pkg. Qty.
PMD-0-9	Dispenser filled with one roll, white, polyester continuous tape, each legend 0 thru 9.	1

Pre-Printed Marker Tape Refills

Part Number	Part Description	Std. Pkg. Qty.
PMDR-A thru **PMDR-Z**	8.0' polyester refill roll, 1 roll each legend A thru Z.	10
PMDR-0	8.0' polyester refill roll, 1 roll each legend 0.	10
PMDR-1 thru **PMDR-9**	8.0' polyester refill roll, 1 roll each legend 1 thru 9.	10
PMDR-0-9 thru **PMDR-90-99**	8.0' polyester refill roll, 1 roll each legend 0 thru 9.	1
	8.0' polyester refill roll, 1 roll each legend 90 thru 99.	1

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

Self-Laminating Wire Marker Dispenser



- Self-laminating labels are provided in handy dispenser which protects markers when not in use
- Clear section of marker overlaminates and protects write-on legend
- Quick, easy to use for smaller installations and maintenance

Part Number	Part Description	Std. Pkg. Qty.
Dispenser Kit		
S100X125VARY	Dispenser kits contents include: (1) dispenser; (1) roll 1.00" wide x 1.25" length x .38" print-on height, vinyl label, 200/roll; (1) PFX-0 pen. For use with wire outside diameters ranging from .12" – .28".	1
S100X225VARY	Dispenser kits contents include: (1) dispenser; (1) roll 1.00" wide x 2.25" length x .75" print-on height, vinyl label, 100/roll; (1) PFX-0 pen. For use with wire outside diameters ranging from .24" – .48".	1
Refill Rolls		
S100X125VAFY	Refill roll 1.00" wide x 1.25" length x .38" print-on height, vinyl label, 100/roll.	1
S100X225VAFY	Refill roll 1.00" wide x 2.25" length x .75" print-on height, vinyl label, 100/roll.	1

Notes

Lockout/Tagout & Safety

Lockout Devices

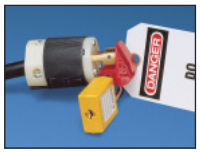
- Extensive line of universal, high quality devices to lockout a variety of energy sources
- High quality, durable padlocks in a variety of styles, colors, and keying configurations that ensure safety and security
- Part of a complete line of lockout/tagout products that assist in compliance with OSHA 1910.147

PSL-1
PSL-1.5

PSL-CBNT
PSL-CBILNT

PSL-CBL

PSL-MLD



PSL-P

PSL-PEL

PSL-WS

PSL-3
PSL-4
PSL-11

PSL-EA-PK

continued on page D2.2

Lockout Devices (continued)

Part Number	Part Description	Std. Pkg. Qty.
Devices		
PSL-1	Hasp with 1.00" (25.40mm) diameter jaw and overlapping tabs.	12
PSL-1.5	Hasp with 1.50" (38.10mm) diameter jaw and overlapping tabs.	12
PSL-CBNT	"No Tool" universal circuit breaker lockout.	1
PSL-CBILNT	"No Tool" circuit breaker lockout for use with Square D I-LINE^/Federal Pacific (FPE) circuit breakers.	1
PSL-CBL	Large handle circuit breaker lockout.	1
PSL-MLD	Multiple lockout device; includes lockout hasp and 6.0' (1.8M) vinyl coated galvanized steel cable with loophole.	1
PSL-P	Plug lockout.	1
PSL-PEL	Pneumatic energy lockout device, 3.50" (88.9mm) diameter x 0.10" (2.54mm) thick.	1
PSL-WS	Toggle switch lockout.	1
Locks		
PSL-3RED	Laminated steel padlock, .75" shackle, red.	6
PSL-4RED	Safety lockout padlock, 1.50" shackle, red.	6
PSL-11RED	High security padlock, 1" shackle, red.	6
Kits		
PSL-PK-EA	Electrician's Lockout Kit: (1) Screwdriver, (1) PSL-PK Pouch, (1) PSL-5RED-LS Long Shackle Padlock with Red Label, (1) PSL-MLD Multiple Lockout Device, (1) PSL-WS Wall Switch Lockout, (1) PSL-CBNT "No Tool" Circuit Breaker Lockout, (1) PSL-P Plug Lockout, (5) PVT-30 Electrician's Blocking Tags.	1

^I-LINE is a registered trademark of Square D Company.

Write-On Safety Tags

- Meets OSHA Standard 1910.147 requirements for tagout applications
- Semi-rigid plastic tags are 3.00" wide x 5.75" high with a .38" brass grommet for greater strength and increased durability
- Tags can be attached with a lockout device or with a *PANDUIT* PLT2S nylon tie (50 lb. loop tensile strength) supplied with each tag
- Can be clearly identified with *PANDUIT* permanent marking pens

Part Number	Part Description	Std. Pkg. Qty.
PVT-41	3.00" x 5.75", red and black/white, plastic tag, “Do Not Operate”, 5 tags and ties per package.	1
PVT-44	3.00" x 5.75", red and black/white, plastic tag, “Do Not Operate Maintenance Department”, 5 tags and ties per package.	1
PVT-96	3.00" x 5.75", red and black/white, plastic tag, “Equipment Locked”, 5 tags and ties per package.	1
PVT-98	3.00" x 5.75", red and black/white, plastic tag, “This Tag and Lock to be Removed Only by Person Shown on Back”, 5 tags and ties per package.	1

Safety Signs

- Indoor/outdoor sub-surface printed adhesive polyester (type PPS) are high quality signs for use indoors and outdoors; excellent resistance to UV light, chemical atmosphere, and abrasion; printed graphics are protected by clear polyester laminate for excellent life and adhesion properties
- Indoor/outdoor rigid polyethylene (type PRS) are rugged, abrasion resistant and are most suitable for environments where adhesives will not work
- Indoor adhesive vinyl (type PVS) are economical general purpose signs for use in most environments

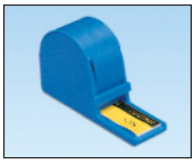
Part Number	Part Description	Std. Pkg. Qty.
PPS0204W2100	4.50" x 2.25", black/orange, adhesive polyester sign, “WARNING. Potential Arc Flash Hazard”, 2 labels per sheet.	5
PPS0305D73	3.50" x 5.00", red and black/white, adhesive polyester sign, “High Voltage Keep Out”.	5
PPS0305W2100	3.50" x 5.00", black/orange, adhesive polyester sign, “WARNING. Potential Arc Flash Hazard”.	5
PPS0507W2100	5.00" x 7.00", black/orange, adhesive polyester sign, “WARNING. Potential Arc Flash Hazard”.	5
PPS0710D24	7.00" x 10.00", red and black/white, adhesive polyester sign, “Automatic Start Equipment”.	1
PPS0710D66	7.00" x 10.00", red and black/white, adhesive polyester sign, “Area In Front Of This Electric Panel”.	1
PPS0710D70	7.00" x 10.00", red and black/white, adhesive polyester sign, “Electrical Equipment Authorized Personnel Only”.	1
PPS0710D72	7.00" x 10.00", red and black/white, adhesive polyester sign, “High Voltage”.	1
PPS0710D73	7.00" x 10.00", red and black/white, adhesive polyester sign, “High Voltage Keep Out”.	1

continued on page D2.5

Safety Signs (continued)

Part Number	Part Description	Std. Pkg. Qty.
PPS0710D75	7.00" x 10.00", red and black/white, adhesive polyester sign, “High Voltage Unauthorized Personnel Keep Out”.	1
PPS1014D73	10.00" x 14.00", red and black/white, adhesive polyester sign, “High Voltage Keep Out”.	1
PRS0710D68	7.00" x 10.00", red and black/white, rigid polyethylene sign, “Cable Buried Here”.	1
PRS0710D72	7.00" x 10.00", red and black/white, non-adhesive rigid polyethylene sign, “High Voltage”.	1
PRS1014D70	10.00" x 14.00", red and black/white, non-adhesive rigid polyethylene sign, “Electrical Equipment Authorized Personnel Only”.	1
PRS1014D71	10.00" x 14.00", red and black/white, non-adhesive rigid polyethylene sign, “Electric Meter Room Storage”.	1
PRS1014D72	10.00" x 14.00", red and black/white, non-adhesive rigid polyethylene sign, “High Voltage”.	1
PRS1014D73	10.00" x 14.00", red and black/white, non-adhesive rigid polyethylene sign, “High Voltage Keep Out”.	1
PRS1014D79	10.00" x 14.00", red and black/white, non-adhesive rigid polyethylene sign, “High Voltage Keep Away”.	1
PRS1420D75	14.00" x 20.00", red and black/white, non-adhesive rigid polyethylene sign, “High Voltage Unauthorized Personnel Keep Out”.	1
PVS0305W2101Y	3.50" x 5.00", black and orange/white, adhesive vinyl sign, “WARNING. Potential Arc Flash Hazard” with detailed write-on area.	5
PVS0507W2101Y	5.00" x 7.00", black and orange/white, adhesive vinyl sign, “WARNING. Potential Arc Flash Hazard” with detailed write-on area.	5

Electrical Labels



- Provided in a handy dispenser for convenience and label protection
- Made of durable polyester material for indoor/outdoor application

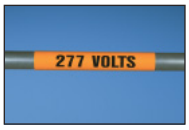
Part Number	Part Description	Std. Pkg. Qty.
Dispensers		
PLD-43	1.50" x 1.00", red and black/white, adhesive polyester label, “DANGER HIGH VOLTAGE”, 200 labels per dispenser.	1
PLD-67	1.50" x 1.00", red/white, adhesive polyester label, “DANGER HIGH VOLTAGE”, 200 labels per dispenser.	1
PLD-71	2.00" x 1.00", white/black, adhesive polyester label, “WARNING – FOR CONTINUED PROTECTION”, 150 labels per dispenser.	1
Rolls		
WL32Y	1.50" triangle width, black/yellow, adhesive vinyl label, “RISK OF ELECTRIC SHOCK symbol”, 50 labels.	1
WL33Y	4.50" triangle width, black/yellow, adhesive vinyl label, “RISK OF ELECTRIC SHOCK symbol”, 50 labels.	1

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

Voltage and Safety Marker Books

Part Number	Part Description	Std. Pkg. Qty.
Voltage Markers 1.50" x 3.25"		
PCVB-277/480Y	3.25" x 1.50", black/orange, adhesive vinyl label, “277/480 Volts”, 30 markers per book.	1
PCVB-480Y	3.25" x 1.50", black/orange, adhesive vinyl label, “480 Volts”, 30 markers per book.	1
Safety Markers 1.50" x 3.25"		
PSSB-13	3.25" x 1.50", red and black/white, adhesive vinyl label, “Danger High Voltage”, 30 markers per book.	1

Voltage and Fiber Optic Markers



- Vinyl – indoor
- Color – legend black; background orange
- Each Marker –

  Style A: 2.25" x 9.00"
  1 Marker per card
  Pipe/Conduit O.D. Range 3.00" and over
  Style B: 1.125" x 4.50"
  4 Markers per card
  Pipe/Conduit O.D. Range 1.25" – 3.00"
  Style C: .50" x 2.25"
  18 Markers per card
  Pipe/Conduit O.D. Range 1.25" and under

Part Number			Legend	Std. Pkg. Qty.
Style A	Style B	Style C*		
PCV-110AY	PCV-110BY	PCV-110CY	110 Volts	5
PCV-115AY	PCV-115BY	PCV-115CY	115 Volts	5
PCV-120/208AY	PCV-120/208BY	PCV-120/208CY	120/208 Volts	5
PCV-120AY	PCV-120BY	PCV-120CY	120 Volts	5
PCV-12470AY	PCV-12470BY	PCV-12470CY	12470 Volts	5
PCV-13200AY	PCV-13200BY	PCV-13200CY	13200 Volts	5
PCV-13800AY	PCV-13800BY	PCV-13800CY	13800 Volts	5
PCV-1PHAY	PCV-1PHBY	PCV-1PHCY	Single Phase	5
PCV-208AY	PCV-208BY	PCV-208CY	208 Volts	5
PCV-220AY	PCV-220BY	PCV-220CY	220 Volts	5
PCV-2300AY	PCV-2300BY	PCV-2300CY	2300 Volts	5
PCV-230AY	PCV-230BY	PCV-230CY	230 Volts	5
PCV-2400AY	PCV-2400BY	PCV-2400CY	2400 Volts	5
PCV-240AY	PCV-240BY	PCV-240CY	240 Volts	5
PCV-277/480AY	PCV-277/480BY	PCV-277/480CY	277/480 Volts	5
PCV-277AY	PCV-277BY	PCV-277CY	277 Volts	5
PCV-380AY	PCV-380BY	PCV-380CY	380 Volts	5
PCV-3PHAY	PCV-3PHBY	PCV-3PHCY	Three Phase	5
PCV-415AY	PCV-415BY	PCV-415CY	415 Volts	5
PCV-4160AY	PCV-4160BY	PCV-4160CY	4160 Volts	5
PCV-440AY	PCV-440BY	PCV-440CY	440 Volts	5
PCV-460AY	PCV-460BY	PCV-460CY	460 Volts	5
PCV-480AY	PCV-480BY	PCV-480CY	480 Volts	5
PCV-600AY	PCV-600BY	PCV-600CY	600 Volts	5
PCV-BLANKAY	PCV-BLANKBY	PCV-BLANKCY	Blank-No Legend	5
PCV-ESAY	PCV-ESBY	PCV-ESCY	Emergency Service	5
PCV-FAAY	PCV-FABY	PCV-FACY	Fire Alarm	5
PCV-FOAY	PCV-FOBY	PCV-FOCY	Fiber Optic	5
PCV-FOCAY	PCV-FOCBY	PCV-FOCCY	Fiber Optic Cable	5
PCV-MAINAY	PCV-MAINBY	PCV-MAINCY	Main	5
PCV-TELEAY	PCV-TELEBY	PCV-TELECY	Telephone	5

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

NETKEY® Network Components

NETKEY® Category 6 Modules

- Meets or exceeds all Category 6 performance requirements
- Punchdown termination style, tool required for termination
- Universal label color coded for T568A and T568B wiring schemes
- Terminates 4-pair 24 AWG and 22 AWG 100 ohm solid or stranded, unshielded twisted pair cable

Part Number	Part Description	No. of Module Spaces	Color‡	Std. Pkg. Qty.
NK688MIW	Category 6, 8 position, 8 wire keystone jack module.	1	Off White	1

‡For other colors replace suffix IW with EI (Electric Ivory), WH (White), IG (International Gray), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green) or YL (Yellow).

NETKEY® Category 5e Modules

- Meets or exceeds all Category 5e performance requirements
- Universal label is color coded for T568A and T568B wiring schemes
- Terminates 4-pair 24 AWG and 22 AWG 100 ohm solid or stranded, unshielded twisted pair cable

Part Number	Part Description	No. of Module Spaces	Color‡	Std. Pkg. Qty.
NK5E88MIWY	Category 5e, 8 position, 8 wire keystone jack module.	1	Off White	1

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green) or YL (Yellow) before Y in part number.

NETKEY® Category 3 Modules

- Terminates 4-pair 24 AWG and 22 AWG solid unshielded twisted pair cable
- Module cap terminates conductors (no 110 punchdown tool required) for faster and more consistent installations
- Module maintains twists of UTP cable to 1/2" or less of termination point ensuring optimal channel and link performance
- Termination cap is color coded for T568A and T568B or USOC wiring schemes

Part Number	Part Description	No. of Module Spaces	Color‡	Std. Pkg. Qty.
NK388MIWY	Category 3, 8 position, 8 wire keystone jack module.	1	Off White	1
NK366UMIWY	Category 3, 6 position, 6 wire keystone jack module. Color coded for USOC wiring.	1	Off White	1
NK366MIWY	Category 3, 6 position, 6 wire keystone jack module.	1	Off White	1

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black) before Y in part number.

NEW! Jack Module Blockout Device

- Blocks unauthorized access to jacks and potentially harmful foreign objects, saving time and money
- May only be released with the special removal tool, ensuring the safety and security of your network infrastructure

Part Number*	Part Description	Color	Std. Pkg. Qty.
PSL-DCJB	Package of 10 jack module blockout devices and 1 removal tool.	Red	1
PSL-DCJB-BL	Package of 10 jack module blockout devices and 1 removal tool.	Black	1
PSL-DCJB-BU	Package of 10 jack module blockout devices and 1 removal tool.	Blue	1
PSL-DCJB-YL	Package of 10 jack module blockout devices and 1 removal tool.	Yellow	1
PSL-DCJB-IW	Package of 10 jack module blockout devices and 1 removal tool.	International White	1

*Available in bulk packages of 100 devices and 5 removal tools. To order bulk package add -C to the suffix of part number.

NETKEY® Termination Tools

NKSPB

PDT110

CJT

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
NKSPB	Base used to assist in terminating Category 6 punchdown and A/V punchdown modules.	1	50
PDT110	Punchdown tool and blade for 110 style IDC's. Terminates and cuts UTP cable in one operation.	1	—
PDTH110	Replacement blade for single pair punchdown tool.	1	—
CJT	Termination tool for *NETKEY*® Category 5e and Category 3 Keystone Jack Modules.	1	50

NETKEY® Audio/Video Modules and Blank Modules

- Keystone housings with adapters for F-Type, BNC Coax, RCA connectors, S-Video, Binding Post and 3.5mm Stereo Connectors
- Designed for a wide array of audio and video applications

Part Number	Part Description	No. of Module Spaces	Color‡	Std. Pkg. Qty.
***NETKEY*® F-Type Module**				
NKFIW	Module supplied with 75 ohm industry standard F-Type coax bulkhead coupler.	1	Off White	1
***NETKEY*® 50 Ohm BNC Coax Module**				
NKBNCMIWY	Module supplied with industry standard 50 ohm BNC coax bulkhead coupler.	1	Off White	1
***NETKEY*® RCA Solder Type Module**				
NKRSMBIWY	Module supplied with one RCA solder type connector with black insert.	1	Off White	1
NKRSMRIWY	Keystone module supplied with one RCA solder type connector with red insert.	1	Off White	1
NKRSMYIWY	Keystone module supplied with one RCA solder type connector with yellow insert.	1	Off White	1
NKRSMWIWY	Keystone module supplied with one RCA solder type connector with white insert.	1	Off White	1
***NETKEY*® RCA Pass-Through Module**				
NKRTMRIW	Module supplied with one RCA connector with red insert.	1	Off White	1
NKRTMYIW	Keystone module supplied with one RCA connector with yellow insert.	1	Off White	1
NKRTMWIW	Keystone module supplied with one RCA connector with white insert.	1	Off White	1
***NETKEY*® S-Video Punchdown Module**				
NKSPMIW	Module supplied with 110 style punchdown to S-Video connector.	1	Off White	1
***NETKEY*® 5-Way Binding Post Module**				
NKBPBIWY	Module supplied with 5-way Binding Post with black stripe.	1	Off White	1
NKBPRIWY	Keystone 5-way Binding Post with red stripe.	1	Off White	1

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray), BL (Black).

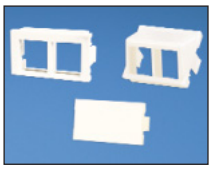
Order number of pieces required, in multiples of Standard Package Quantity.

NETKEY® Audio/Video Modules and Blank Modules (continued)

Part Number	Part Description	No. of Module Spaces	Color‡	Std. Pkg. Qty.
***NETKEY*® 3.5mm Stereo Connector**				
NK35MSSIWY	Module supplied with one 3.5mm (1/8") stereo headset solder-type connector.	1	Off White	1
NK35MSCIW	Module supplied with one 3.5mm (1/8") stereo headset coupler.	1	Off White	1
D-Subminiature Inserts				
CHD9CIWY	1/3 insert with 9 pin female to female coupler.	1	Off White	1
CHD15HDCIWY	1/3 insert with 15 pin high density female to female coupler; SVGA capable.	1	Off White	1
CHD15HDSCIWY	1/3 insert with one 15 pin DB connector mounted to a printed circuit board; terminates on site; SVGA capable.	1	Off White	1
***NETKEY*® Blank Module**				
NKBMIW-X	Blank keystone module to reserve space for future use.	1	Off White	10
***NETKEY*® RCA 1/3 Inserts**				
CHR3RGBIW	1/3 insert with 3 RCA pass-through couplers. RCA insert colors are red, green, and blue. R,G,B component video.	1	Off White	1
CHR3WYRIW	1/3 insert with 3 RCA pass-through couplers. RCA insert colors are white, yellow, and red. Composite video and left and right stereo.	1	Off White	1
***NETKEY*® RCA Punchdown Modules**				
NKRPMRIW	Keystone module supplied with one RCA punchdown type connector with red insert.	1	Off White	1
NKRPMWIW	Keystone module supplied with one RCA punchdown type connector with white insert.	1	Off White	1
NKRPMYIW	Keystone module supplied with one RCA punchdown type connector with yellow insert.	1	Off White	1

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray), BL (Black).

NETKEY® Inserts

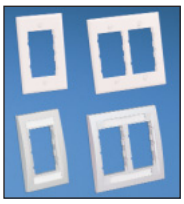


- Compatible with Classic (CB**) and Executive (CBE**) Faceplate Frames
- Front releasable
- Accept all *NETKEY*® Modules for UTP (including Category 5e and Category 6), Fiber Optic and Coax, which snap in and out for easy moves, adds, and changes

Part Number	Part Description	Color‡	Std. Pkg. Qty.
CHB2MIW-X	1/3 blank insert. Reserves space for future upgrades.	Off White	10
NKHF2MIW-X	Two module space, 1/3 size flat insert accepts two *NETKEY*® Modules.	Off White	10
NKHS2IW-X	Two module space, 1/2 size sloped insert accepts two *NETKEY*® Modules.	Off White	10
NKHS2SIW-X	Two module space, 1/2 size sloped, shuttered insert accepts two *NETKEY*® Modules.	Off White	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black).

Classic and Executive Faceplate Frames



- Accept inserts which snap in and out of faceplate frames
- All inserts are front releasable
- Allow custom configurations with your choice of inserts

Part Number	Part Description	Color‡	Std. Pkg. Qty.
Classic Faceplate Frames			
CBIW	Single gang faceplate frame accepts two 1/2 size module inserts or three 1/3 size module inserts.	Off White	1
CBIW-2G	Double gang faceplate frame accepts up to four 1/2 size module inserts or six 1/3 size module inserts.	Off White	1
Executive Faceplate Frames			
CBEIWY	Single gang faceplate frame accepts up to two 1/2 size module inserts or three 1/3 size module inserts. Supplied with labels and label cover/screw covers.	Off White	1
CBEIW-2GY	Double gang faceplate frame which accepts up to four 1/2 size module inserts or six 1/3 size module inserts. Supplied with labels and label cover/screw covers.	Off White	1

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black).
All faceplate frames supplied with mounting screws.

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

NETKEY® Stainless Steel Faceplates with Labels

- Includes label/label covers for easy port identification; replacement label/label covers available
- Impact resistant for light industrial environments

Part Number	Part Description	Std. Pkg. Qty.
NKF2S	Two position, single gang stainless steel faceplate with labels.	1
NKF4S	Four position, single gang stainless steel faceplate with labels.	1
NKF6S	Six position, single gang stainless steel faceplate with labels.	1

When faceplate mounting NKF4S and NKF6S, electrical box must be minimum 1.9" wide.

NETKEY® Flush Mount Screw-On Faceplates with Labeling

- All faceplates supplied with mounting screws
- Supplied with labels and clear label covers
- Optional screw covers can be used in place of labels and clear label covers

Part Number	Part Description	Color‡	Std. Pkg. Qty.
NK1FIWY	Single gang, vertical faceplate accepts one *NETKEY*® Module.	Off White	1
NK2FIWY	Single gang, vertical faceplate accepts two *NETKEY*® Modules.	Off White	1
NK4FIWY	Single gang, vertical faceplate accepts four *NETKEY*® Modules.	Off White	1
NK6FIWY	Single gang, vertical faceplate accepts six *NETKEY*® Modules.	Off White	1
NK12FIWY	Double gang, vertical faceplate accepts twelve *NETKEY*® Modules.	Off White	1

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White) or BL (Black).

NETKEY® Flush Mount Faceplates

- Available in 1, 2, and 4 module single gang styles
- All faceplates supplied with mounting screws
- Optional adhesive labels available

Part Number	Part Description	Color‡	Std. Pkg. Qty.
NK1FNIW	Single gang, vertical faceplate accepts one *NETKEY*® Module.	Off White	1
NK2FNIW	Single gang, vertical faceplate accepts two *NETKEY*® Modules.	Off White	1
NK3FNIW	Single gang, vertical faceplate accepts three *NETKEY*® Modules.	Off White	1
NK4FNIW	Single gang, vertical faceplate accepts four *NETKEY*® Modules.	White	1

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White) or BL (Black).

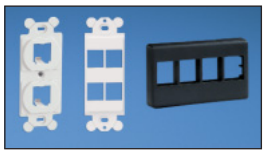
NETKEY® Horizontal Sloped Screw-On Faceplates

- Supplied with two mounting screws
- Supplied with labels and clear label covers
- Optional screw covers can be used in place of clear label covers and labels

Part Number	Part Description	Color‡	Std. Pkg. Qty.
NK2HSFIW	Single gang,horizontal faceplate accepts two *NETKEY*® Modules.	Off White	1
NK4HSFIW	Single gang sloped, horizontal faceplate accepts four *NETKEY*® Modules.	Off White	1

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White) or BL (Black).

NETKEY® "106" Duplex and Rectangular Module Frames



- Mounts behind all standard "106" or rectangular electrical cover plates

Part Number	Part Description	Color‡	Std. Pkg. Qty.
NK2106MFIW	Two position screw mount module frame accepts all *NETKEY*® Modules. Compatible with NEMA standard outlet boxes and "106" duplex faceplates.	Off White	1
NK4106MFIW	Four position screw mount module frame accepts all *NETKEY*® Modules. Compatible with NEMA standard outlet boxes and "106" duplex faceplates.	Off White	1
NK4RMFIW	Four position screw mount module frame accepts all *NETKEY*® Modules. Compatible with NEMA standard outlet boxes and rectangular faceplates.	Off White	1
NK4MFBL	Snap mount four position modular furniture faceplate which accepts all *NETKEY*® Modules. Mounts to standard furniture openings (1.34" to 1.40" – 2.67" to 2.75").	Black	1

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), BL(Black) or IG (International Gray).

NETKEY® Snap-On Sloped Keystone Faceplates

- Can be used with *PAN-WAY*® T-70, T-45, LD and LDPH Raceway Systems, *FAST-SNAP*™ Outlet Boxes, and *PAN-POLE*™ Aluminum Outlet Pole

Part Number	Part Description	Color‡	Std. Pkg. Qty.
NK2HSRFIW	Snap-on two position sloped horizontal faceplate accepts any *PANDUIT*® *NETKEY*® Module. Compatible with *PANDUIT*® *FAST-SNAP*™ Outlet Boxes, Surface Raceway Systems, and *PAN-POLE*™ Outlet Poles.	Off White	1
NK4HSRFIW	Snap mount four position sloped horizontal faceplate accepts any *PANDUIT*® *NETKEY*® Module. Compatible with *PANDUIT*® *FAST-SNAP*™ Outlet Boxes, Surface Raceway Systems, and *PAN-POLE*™ Outlet Poles.	Off White	1
NK4VSRFIW	Snap mount four position sloped vertical faceplate accepts any *PANDUIT*® *NETKEY*® Module. Compatible with *PANDUIT*® *FAST-SNAP*™ Outlet Boxes, Surface Raceway Systems, and *PAN-POLE*™ Outlet Poles.	Off White	1

PANDUIT® *NETKEY*® faceplates are NOT compatible with *PANDUIT*® *MINI-COM*® Modules.

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray), or WH (White).

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

NETKEY® Snap-On Flush Universal Keystone Faceplates

- Wider module spacing accepts common manufacturers' keystone modules .900" wide or less
- Can be used with *PAN-WAY*® T-70, T-45, LD and LDPH Raceway Systems, *FAST-SNAP*™ Outlet Boxes, and *PAN-POLE*™ Aluminum Outlet Pole

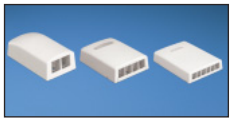
5A LISTED

Part Number	Part Description	Color‡	Std. Pkg. Qty.
T70KW2IW	Snap-on two position flush mount faceplate accepts any *PANDUIT*® *NETKEY*® Module and most other manufacturers' keystone modules. Compatible with *PANDUIT*® *FAST-SNAP*™ Outlet Boxes, Surface Raceway Systems and *PAN-POLE*™ Outlet Poles.	Off White	1
T70KW4IW	Snap-on four position flush mount faceplate accepts any *PANDUIT*® *NETKEY*® Module and most other manufacturers' keystone modules. Compatible with *PANDUIT*® *FAST-SNAP*™ Outlet Boxes, Surface Raceway Systems and *PAN-POLE*™ Outlet Poles.	Off White	1

PANDUIT® *NETKEY*® faceplates are NOT compatible with *PANDUIT*® *MINI-COM*® Modules.

‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray), or WH (White).

NETKEY® Surface Mount Boxes



- Accept *NETKEY*® Modules for UTP, Fiber Optic, and Audio/Video, which snap in and out for easy moves, adds, and changes
- Compatible with *PANDUIT* LD3, LD5, and LD10 Raceway

Part Number	Part Description	Color‡	Used with *PAN-WAY*® Raceway	Std. Pkg. Qty.
NK2BXIW-A	Two position surface mount box – adhesive.	Off White	LD3, LD5, LD10	1
NK4BXIW-A	Four position surface mount box – adhesive.	Off White	LD3, LD5, LD10	1
NK6BXIW-A	Six position surface mount box – adhesive.	Off White	LD3, LD5, LD10	1

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black).
Includes mounting screws and adhesive tape.

NETKEY® Category 6 Punchdown Patch Panels

- Exceeds all Category 6 performance requirements
- Punchdown style termination on back of patch panel
- Terminates 4-pair 24 AWG and 22 AWG 100 ohm unshielded twisted pair cable

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
NK6PPG12WY	*NETKEY*® Category 6 12-port patch panel. Mounts to 89D bracket.	—	1
NK6PPG24Y	*NETKEY*® Category 6 24-port patch panel.	1	1
NK6PPG48Y	*NETKEY*® Category 6 48-port patch panel.	2	1

^One rack space = 1.75".
M6 and #12-24 mounting screws included.

NETKEY® Category 5e Punchdown Style Patch Panels

- Exceeds all Category 5e performance requirements
- Punchdown style termination on back of patch panel
- Terminates 4-pair 24 AWG and 22 AWG 100 ohm unshielded twisted pair cable

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
NK5EPPG12WY	*NETKEY*® Category 5e 12-port patch panel. Mounts to 89D bracket.	—	1
NK5EPPG24Y	*NETKEY*® Category 5e 24-port patch panel.	1	1
NK5EPPG48Y	*NETKEY*® Category 5e 48-port patch panel.	2	1

^One rack space = 1.75".

NETKEY® All Metal Modular Patch Panels

- Mount to standard EIA 19" racks
- TIA/EIA-606-A compliant white write-on areas to identify panels and ports

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
NKMP24Y	All metal 24-port modular patch panel accepts all *NETKEY*® Modules.	1	1
NKMP48Y	All metal 48-port modular patch panel accepts all *NETKEY*® Modules.	2	1

^One rack space = 1.75".

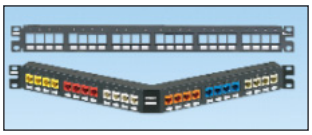
NETKEY® Modular Faceplate Patch Panels

- Mount to standard EIA 19" racks
- Faceplates removable from front

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
NKFP24Y	24-port modular patch panel with six removable four position modular faceplates.	1	1
NKFP48Y	48-port modular patch panel with twelve removable four position modular faceplates.	2	1

^One rack space = 1.75".

NETKEY® Flush Mount Modular Patch Panels



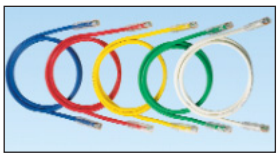
- Flush mount design provides a solution for non-shielded installations that use all metal patch panels
- Rear mounted faceplates allow modules to be flush with front of patch panel
- Pre-printed numbers above each port for easy identification

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
***NETKEY*® Flush Mount Modular Patch Panels**			
NKPP24FMY	24-port flush mount patch panel, supplied with 6 four-port rear mounted faceplates.	1	1
NKPP48FMY	48-port flush mount patch panel, supplied with 6 eight-port rear mounted faceplates.	2	1
NKPP48HDY	48-port high density flush mount patch panel, supplied 6 eight-port rear mounted faceplates.	1	1
NKFP12W	12-port modular patch panel with three removable four position modular faceplates. Mounts on 89D mounting bracket.	—	1
***NETKEY*® Angled Flush Mount Modular Patch Panels**			
NKPPA24FMY	24-port angled flush mount patch panel, supplied with 6 four-port rear mounted faceplates.	1	1
NKPPA48FMY	48-port angled flush mount patch panel, supplied with 6 eight-port rear mounted faceplates.	2	1
***NETKEY*® Angled High Density Flush Mount Modular Patch Panels**			
NKPPA48HDY	48-port angled high density flush mount patch panel, supplied with 6 eight-port rear mounted faceplates.	1	1
WB89D Bracket			
WB89D	Wall mount bracket accepts 12-port snap-in faceplate patch panel. Can also be used to mount industry standard 66 blocks.	—	1

^One rack space = 1.75".
M6 and #12-24 mounting screws included.

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

NETKEY® Category 6 Patch Cords

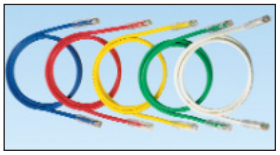


- Unique tangle free latch prevents snags and provides easy release, saving time on frequent moves, adds, and changes
- Constructed of enhanced performance 24 AWG stranded UTP cable
- Contacts plated with 50 microinches of gold
- 100% performance tested to meet Category 6 requirements

Part Number	Part Description	Length (ft)	Cable Color*	Std. Pkg. Qty.
NK6PC3Y	Category 6 UTP patch cord for use with *NETKEY*® Category 6 components.	3	Off White	1
NK6PC5Y	Category 6 UTP patch cord for use with *NETKEY*® Category 6 components.	5	Off White	1
NK6PC7Y	Category 6 UTP patch cord for use with *NETKEY*® Category 6 components.	7	Off White	1
NK6PC10Y	Category 6 UTP patch cord for use with *NETKEY*® Category 6 components.	10	Off White	1
NK6PC14Y	Category 6 UTP patch cord for use with *NETKEY*® Category 6 components.	14	Off White	1
NK6PC20Y	Category 6 UTP patch cord for use with *NETKEY*® Category 6 components.	20	Off White	1

*For cable colors other than Off White, add suffix RD (Red), GR (Green), and BU (Blue) before Y in part number.

NETKEY® Category 5e Patch Cords



- Unique tangle free latch prevents snags and provides easy release, saving time on frequent moves, adds, and changes
- Constructed of enhanced performance 24 AWG stranded UTP cable
- Contacts plated with 50 microinches of gold
- 100% performance tested to meet Category 5e requirements

Part Number	Part Description	Length (ft)	Cable Color*	Std. Pkg. Qty.
NK5EPC3Y	Category 5e UTP patch cord for use with *NETKEY*® Category 5e components.	3	Off White	1
NK5EPC5Y	Category 5e UTP patch cord for use with *NETKEY*® Category 5e components.	5	Off White	1
NK5EPC7Y	Category 5e UTP patch cord for use with *NETKEY*® Category 5e components.	7	Off White	1
NK5EPC10Y	Category 5e UTP patch cord for use with *NETKEY*® Category 5e components.	10	Off White	1
NK5EPC14Y	Category 5e UTP patch cord for use with *NETKEY*® Category 5e components.	14	Off White	1
NK5EPC20Y	Category 5e UTP patch cord for use with *NETKEY*® Category 5e components.	20	Off White	1

*For cable colors other than Off White, add suffix RD (Red), GR (Green), and BU (Blue) before Y in part number.

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

Fiber Optic Connectivity

NETKEY® Fiber Optic Adapter Modules

- Robust designs meet or exceed TIA/EIA-568-B.3 requirements
- Modules snap in and out of all keystone telecommunications room products and work area outlets
- Modules available in multiple colors – allows color coding for network segregation

Part Number	Part Description	Std. Pkg. Qty.
***NETKEY*® SC Simplex Fiber Adapter Modules**		
NKSCMIW	Keystone module (Off White) supplied with one SC multimode simplex adapter with phosphor bronze split sleeve.	1
NKSCMZIW	Keystone module (Off White) supplied with one SC singlemode simplex adapter with zirconia ceramic split sleeve.	1
***NETKEY*® ST Fiber Optic Adapter Modules**		
NKSTMIW	Keystone module (Off White) supplied with one ST multimode simplex adapter with phosphor bronze split sleeve.	1
***NETKEY*® LC Duplex Fiber Optic Adapter Modules**		
NKDLCMIW	Keystone module (Off White) supplied with one LC Sr./Jr. SFF multimode duplex adapter with phosphor bronze split sleeves.	1
NKDLCMZIW	Keystone module (Off White) supplied with one LC Sr./Jr. SFF singlemode duplex adapter with zirconia ceramic split sleeves.	1
***NETKEY*® MT-RJ Fiber Optic Adapter Modules**		
NKMJMIW	MT-RJ multimode duplex keystone adapter module (Off White).	1

For other colors, replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (international Gray) or BL (Black).

NETKEY® FIber Optic Adapter Modules are NOT compatible with *PANDUIT*® *MINI-COM*® Faceplates, Surface Mount Boxes, or Modular Patch Panels.

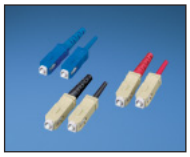
NETKEY® FJ® Fiber Optic Jack Modules and Plugs

- RJ45 small form factor duplex jack module – double the port density in one module space
- For 3.0mm jacketed cable or 900µm buffered fiber installation (plugs for 3.0mm jacketed cable installation only)
- Module snaps in and out of all keystone telecommunications room products and work area outlets
- FJ® Jack Modules available in *OPTI-CRIMP*® Pre-Polished Crimp termination (use FJMVKITY) or field polish termination (use FIELDKIT)

Part Number	Part Description	Std. Pkg. Qty.
***NETKEY*® FJ® *OPTI-CRIMP*® Jack Modules – Pre-Polished Crimp Termination**		
NKMOJOC62EI	FJ® *OPTI-CRIMP*® 62.5/125µm multimode duplex keystone jack module with phosphor bronze split sleeves.	1
NKMOJOC50EI	FJ® *OPTI-CRIMP*® 50/125µm multimode duplex keystone jack module with phosphor bronze split sleeves.	1
***NETKEY*® FJ® Jack Modules – Field Polish Termination**		
NKMOJEI	FJ® multimode duplex keystone jack module with phosphor bronze split sleeves.	1
NKSOJBU	FJ® singlemode duplex keystone jack module with zirconia ceramic split sleeves.	1
***NETKEY*® FJ® Duplex Plugs – Field Polish Termination**		
NKMOPEI	FJ® multimode duplex plug.	1
NKSOPBUY	FJ® singlemode duplex plug.	1

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

SC Fiber Optic Connectors

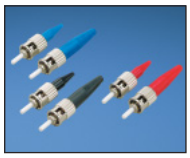


- Exceed TIA/EIA-568-B.3 requirements
- For 3.0mm jacketed cable or 900µm buffered fiber installation
- Non-optical disconnect maintains data transmission under tensile loads for jacketed cable
- SC fiber optic connectors available in *Opti-Crimp*® Pre-Polished Crimp termination (use FJMVKITY) or field polish termination (use FIELDKIT)

Part Number	Part Description	Std. Pkg. Qty.
SC *Opti-Crimp*® Fiber Optic Connectors – Pre-Polished Crimp Termination		
FSCMMBL	SC *Opti-Crimp*® 62.5/125µm multimode simplex connector with black boots.	1
FSCMMRD	SC *Opti-Crimp*® 62.5/125µm multimode simplex connector with red boots.	1
FSCMM50BL	SC *Opti-Crimp*® 50/125µm multimode simplex connector with black boots.	1
FSCMM50RD	SC *Opti-Crimp*® 50/125µm multimode simplex connector with red boots.	1
FSCDMM	SC *Opti-Crimp*® 62.5/125µm multimode duplex connector with red and black boots.	1
FSCDMM50	SC *Opti-Crimp*® 50/125µm multimode duplex connector with red and black boots.	1
SC Fiber Optic Connectors – Field Polish Termination		
FSCMBL	SC multimode simplex connector with black boots.	1
FSCMRD	SC multimode simplex connector with red boots.	1
FSCDM	SC multimode duplex connector with red and black boots.	1
FSCSBU	SC singlemode simplex connector with blue boots.	1
SC Duplex Clip		
FSCCLIP-L	SC duplex clip (black) for duplexing two simplex SC connectors.	50

To comply with industry standards the connector housing is blue for all singlemode connectors, and electric ivory for all multimode connectors.

ST Fiber Optic Connectors

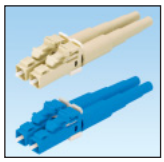


- Exceed TIA/EIA-568-B.3 requirements
- For 3.0mm jacketed cable or 900µm buffered fiber installation
- ST fiber optic connectors available in *Opti-Crimp*® Pre-Polished Crimp termination (use FJMVKITY) or field polish termination (use FIELDKIT)

Part Number	Part Description	Std. Pkg. Qty.
ST *Opti-Crimp*® Fiber Optic Connectors – Pre-Polished Crimp Termination		
FSTMMBL	ST *Opti-Crimp*® 62.5/125µm multimode fiber optic connector with black boots.	1
FSTMMRD	ST *Opti-Crimp*® 62.5/125µm multimode fiber optic connector with red boots.	1
FSTMM50BL	ST *Opti-Crimp*® 50/125µm multimode fiber optic connector with black boots.	1
FSTMM50RD	ST *Opti-Crimp*® 50/125µm multimode fiber optic connector with red boots.	1
ST Fiber Optic Connectors – Field Polish Termination		
FSTMABL	ST multimode fiber optic connector with black boots.	1
FSTMARD	ST multimode fiber optic connector with red boots.	1
FSTSABU	ST singlemode fiber optic connector with blue boots.	1

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

LC Fiber Optic Connectors



- Exceed TIA/EIA-568-B.3 requirements
- Simplex connectors for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation
- Non-optical disconnect maintains data transmission under tensile loads for jacketed cable
- LC fiber optic connectors available in field polish termination (use FIELDKIT)

Part Number	Part Description	Std. Pkg. Qty.
LC Multimode Fiber Optic Connectors – Field Polish Termination		
FLCSMEIY	LC multimode simplex fiber optic connector.	1
FLCDMEIY	LC multimode duplex fiber optic connector for 1.6mm – 2.0mm jacketed cable installation.	1
FLCDM900EIY	LC multimode duplex fiber optic connector for 900µm buffered fiber installation.	1
LC Singlemode Fiber Optic Connectors – Field Polish Termination		
FLCSSBUY	LC singlemode simplex fiber optic connector.	1
FLCDSBUY	LC singlemode duplex fiber optic connector for 1.6mm – 2.0mm jacketed cable installation.	1
FLCDS900BUY	LC singlemode duplex fiber optic connector for 900µm buffered fiber installation.	1
LC Duplex Clip		
FLCCLIP-L	LC duplex clip (white) for duplexing two simplex LC connectors.	50

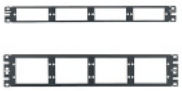
To comply with industry standards the connector housing is blue for all singlemode connectors, and electric ivory for all multimode connectors.

Fiber Optic Termination Kits

- Include termination tools, consumables, installation instructions and stripping templates for *PANDUIT* fiber optic connectors
- Consumables kits available to replenish termination kits

Part Number	Part Description	Std. Pkg. Qty.
FJMVKITY	*OPTI-CRIMP®* Pre-Polished Crimp Termination Kit for termination of all *PANDUIT® OPTI-CRIMP®* Pre-Polished Crimp Connectors.	1
FIELDKIT	Field polish termination kit for termination of all *PANDUIT* field polish connectors.	1
FIELDKITRFB	Field polish consumables replenish the same consumable items as the FIELDKIT Field Polish Termination Kit.	1
FCLEANKIT	Cleaning consumables replenish the same cleaning consumable items that are included in all termination kits.	1

OPTICOM® Fiber Adapter Patch Panels

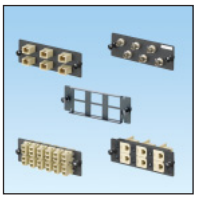


- Mount to standard EIA 19" rack rails
- Hold *OPTICOM®* Fiber Adapter Panels
- Use with *OPTICOM®* FMT Fiber Mounting Tray to protect fibers and terminations

Part Number	Part Description	Std. Pkg. Qty.
CFAPPBL1Y	Holds up to 4 FAP or FMP adapter panels.	1
CFAPPBL2Y	Holds up to 8 FAP or FMP adapter panels.	1

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

OPTICOM® Fiber Adapter Panels (FAPs)

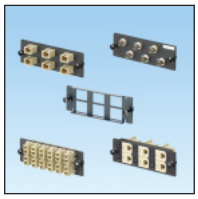


- Snap quickly into the front of all *OPTICOM*® components
- Unloaded panels available to customize your installation for multimedia applications requiring integration of fiber optic and copper cables
- Loaded panels available with SC, ST, LC or MT-RJ adapters
- Choice of phosphor bronze or zirconia ceramic split sleeves to fit specific network requirements; zirconia ceramic split sleeves are required for singlemode applications

Part Number	Part Description	Std. Pkg. Qty.
***NETKEY*® Module Multimedia Panel – 6-port**		
FKP6	Unloaded panel accepts up to 6 *NETKEY*® Modules for UTP, Fiber Optic, and Audio/Video applications.	1
SC Fiber Adapter Panels		
FAP6WEISC	SC FAP loaded with 6 SC simplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1
FAP3WEIDSC	SC FAP loaded with 3 SC duplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1
FAP6WEIDSC	SC FAP loaded with 6 SC duplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1
FAP6WBUSCZ	SC FAP loaded with 6 SC simplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1
FAP12WBUSCZ	SC FAP loaded with 12 SC simplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1
ST Fiber Adapter Panels		
FAP6WST	ST FAP loaded with 6 ST simplex multimode fiber optic adapters with phosphor bronze split sleeves.	1
FAP6WSTZ	ST FAP loaded with 6 ST simplex singlemode fiber optic adapters with zirconia ceramic split sleeves.	1

continued on page E1.24

OPTICOM® Fiber Adapter Panels (FAPs) (continued)



Part Number	Part Description	Std. Pkg. Qty.
LC Fiber Adapter Panels		
FAP6WEIDLC	LC FAP loaded with 6 LC duplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1
FAP12WEIDLC	LC FAP loaded with 12 LC duplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1
FAP12WBULCZ	LC FAP loaded with 12 LC simplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1
MT-RJ Fiber Adapter Panels		
FMP6WMTRJ	MT-RJ FAP loaded with 6 MT-RJ duplex multimode fiber optic adapters (Electric Ivory).	1
FMP6WMTRJBL	MT-RJ FAP loaded with 6 MT-RJ duplex multimode fiber optic adapters (Black).	1
Blank Fiber Adapter Panels		
FAPB	Blank fiber adapter panel – reserves space for future use.	1

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

OPTI-CORE® Fiber Optic Patch Cords

- Pass all TIA/EIA-568-B.3 performance requirements
- Factory terminated and 100% tested for insertion loss
- Singlemode patch cords are UPC polished (55 dB min. return loss) and 100% tested for return loss
- Lifetime traceability of test data to a Q.C. number on each patch cord

End Configuration	Multimode		Singlemode
	62.5/125µm	50/125µm	9/125µm
SC to SC Duplex – 3mm Jacketed Cable	**F6D3-3M1Y**	**F5D3-3M1Y**	**F9D3-3M1Y**
SC to SC Simplex – 3mm Jacketed Cable	**F6S3-3M1Y**	**F5S3-3M1Y**	**F9S3-3M1Y**
SC to Pigtail – 900µm Buffered Fiber	**F6B3-NM1Y**	**F5B3-NM1Y**	**F9B3-NM1Y**
SC to LC Duplex – 1.6mm Jacketed Cable	**F6E3-10M1Y**	**F5E3-10M1Y**	**F9E3-10M1Y**
ST to ST Duplex – 3mm Jacketed Cable	**F6D2-2M1Y**	**F5D2-2M1Y**	**F9D2-2M1Y**
ST to ST Simplex – 3mm Jacketed Cable	**F6S2-2M1Y**	**F5S2-2M1Y**	**F9S2-2M1Y**
ST to Pigtail – 900µm Buffered Fiber	**F6B2-NM1Y**	**F5B2-NM1Y**	**F9B2-NM1Y**
ST to SC Duplex – 3mm Jacketed Cable	**F6D2-3M1Y**	**F5D2-3M1Y**	**F9D2-3M1Y**
LC to LC Duplex – 1.6mm Jacketed Cable	**F6E10-10M1Y**	**F5E10-10M1Y**	**F9E10-10M1Y**
LC to LC Simplex – 1.6mm Jacketed Cable	**F6F10-10M1Y**	**F5F10-10M1Y**	**F9F10-10M1Y**
LC to Pigtail – 900µm Buffered Fiber	**F6B10-NM1Y**	**F5B10-NM1Y**	**F9B10-NM1Y**

Additional lengths and availability: Patch cords are available in 1M – 10M lengths in 1M increments, and 15M, 20M, 25M and 30M lengths. Pigtails are available in 1M, 2M and 3M lengths. To order lengths other than 1M, replace the 1 before the Y (F6D3-3M1Y) with the desired length (F6D3-3M2Y for 2M length). The above lengths are stock items. For other lengths, contact Customer Service for actual lead times.

continued on page E1.26

OPTI-CORE® Fiber Optic Patch Cords (continued)

End Configuration	Multimode		Singlemode
	62.5/125µm	50/125µm	9/125µm
FJ® Plug to FJ® Plug Duplex – 3mm Jacketed Cable	**F6D6P-6PM1Y**	**F5D6P-6PM1Y**	**F9D6P-6PM1Y**
FJ® Plug to SC Duplex – 3mm Jacketed Cable	**F6D6P-3M1Y**	**F5D6P-3M1Y**	**F9D6P-3M1Y**
FJ® Plug to ST Duplex – 3mm Jacketed Cable	**F6D6P-2M1Y**	**F5D6P-2M1Y**	**F9D6P-2M1Y**
FJ® Plug to LC Duplex – 1.6mm Jacketed Cable	**F6E6P-10M1Y**	**F5E6P-10M1Y**	**F9E6P-10M1Y**
FJ® Jack Module to Pigtail – 3mm Jacketed Cable	**F6D6J-NM1Y**	**F5D6J-NM1Y**	**F9D6J-NM1Y**
FJ® Jack Module to Pigtail – 900µm Buffered Fiber	**F6B6J-NM1Y**	**F5B6J-NM1Y**	**F9B6J-NM1Y**

Additional lengths and availability: Patch cords are available in 1M – 10M lengths in 1M increments, and 15M, 20M, 25M and 30M lengths. Pigtails are available in 1M, 2M and 3M lengths. To order lengths other than 1M, replace the 1 before the Y (F6D3-3M1Y) with the desired length (F6D3-3M2Y for 2M length). The above lengths are stock items. For other lengths, contact Customer Service for actual lead times.

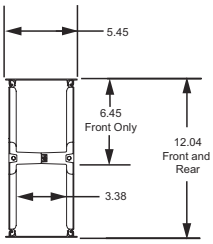
Cable Management

NETRUNNER™ Vertical Cable Management

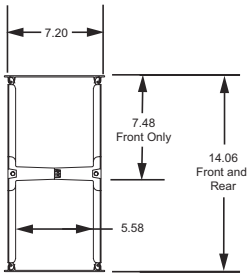
WMPV45E

WMPVF45E

- Dual hinged covers can be opened 110° to the left or right to provide complete access to the cables inside the vertical pathway
- Bend radius fingers align with rack spaces to support cables as they transition to the vertical pathway
- Integral cable retainers on the end of each finger to help contain cables within each rack unit



WMPV45E/WMPV22E



WMPVHC45E

Cable Capacity Chart

Part Number	Category 6A (.354")*		Category 6A (.310")**		Category 6 (.250")		Category 5e (.188")	
	Front	Rear	Front	Rear	Front	Rear	Front	Rear
WMPV22E	65	65	83	83	131	131	236	236
WMPVF22E	65	—	83	—	131	—	236	—
WMPV45E	65	65	83	83	131	131	236	236
WMPVF45E	65	—	83	—	131	—	236	—
WMPVHC45E	122	122	154	154	245	245	416	416
WMPVHCF45E	122	—	154	—	245	—	416	—

*Standard TIA-EIA-B.2-AD10 maximum allowable Augmented Category 6 Cable diameter = .354".
**Typical *PANDUIT*® *TX6*™ *10GIG*™ Cable diameter = .310".

NETRUNNER™ Vertical Cable Management (continued)

WMPV45E

WMPVF45E

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
Vertical Cable Managers – Front and Rear			
WMPV22E	Front and rear vertical manager.	22	1
WMPVHC45E	Front and rear vertical manager, 6" wide.	45	1
WMPV45E	Front and rear vertical manager.	45	1
Vertical Cable Managers – Front Only			
WMPVF22E	Front only vertical manager, 4" wide.	22	1
WMPVHCF45E	Front only vertical manager, 6" wide.	45	1
WMPVF45E	Front only vertical manager, 4" wide.	45	1
Accessories			
WMPVCBE	*NETRUNNER*™ Center Mount Bracket Kit allows mounting to adjacent racks.	—	1
WMPVSMK	*NETRUNNER*™ Side Mount Hardware Kit for use with *PANDUIT* DR84, NFR84 and NF4PR84 racks.	—	1
WMPVHC45EP	End panel for use with WMPVHC45E. Includes 2 panel sections to cover 45 RU on one side.	—	1
WMPV45EP	End panel for use with WMPV45E. Includes 2 panel sections to cover 45 RU on one side.	—	1
WMPV45ERTW	Rack top trough with waterfall creates pathway above rack, for use with CMR19X84 and WMPV45E/WMPVHC45E.	—	1

^One rack space = 1.75".
All product color is black.

PATCHLINK™ Horizontal Cable Managers

WMPSE

WMP1E

WMPFSE

WMPF1E

- Lightweight plastic construction provides durability and easy installation
- Patented dual hinged cover allows cable access without removing cover
- Rounded edges on fingers protect cables from snags and damage to cable

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
WMPSE	Front pathway 1.5"H x 3"D. Rear pathway 1"H x 5"D. Width 19".	1	1
WMP1E	Front pathway 3"H x 3"D. Rear pathway 2"H x 5"D. Width 19".	2	1
WMPFSE	Front pathway 1.5"H x 3"D. Width 19".	1	1
WMPF1E	Front pathway 3"H x 3"D. Width 19".	2	1

^One rack space = 1.75".
All product color is black.

OPEN-ACCESS™ Horizontal Cable Managers

CMPH1

CMPH2

CMPHF1

CMPHF2

- D-ring managers provide an open and efficient way to manage cable
- Patented D-ring design provides flexibility for easy moves, adds, and changes
- Pass-through holes allow front to rear cabling

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
19" Manager, Front and Rear, 1 RU			
CMPH1	D-rings installed on panels. Front D-ring size 1.5"H x 3"D. Rear D-ring size 1.5"H x 5"D. Width 19".	1	1
19" Manager, Front and Rear, 2 RU			
CMPH2	D-rings installed on panels. Front D-ring size 3"H x 3"D. Rear D-ring size 3"H x 5"D. Width 19".	2	1
19" Manager, Front Only, 1 RU			
CMPHF1	D-rings installed on panel. Front D-ring size 1.5"H x 3"D. Width 19".	1	1
19" Manager, Front Only, 2 RU			
CMPHF2	D-rings installed on panel. Front D-ring size 3"H x 3"D. Width 19".	2	1

^One rack space = 1.75".
All product color is black.

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

Standard Racks

- Rack space identification allows quick and easy location of rack mount items
- Rack is UL listed for 1,000 lbs. load rating
- Double-sided #12 – 24 EIA universal mounting hole spacing

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
CMR19X84	19" EIA rack, aluminum. Dimensions: 84"H x 19"W x 3"D.	45	1
CMR19X47	19" EIA rack, aluminum. Dimensions: 47"H x 19"W x 3"D.	24	1
S1224-C	#12-24 x .5" mounting screws.	—	100

^One rack space = 1.75".
All product color is black.

For *StructuredGround*™ Grounding System to ground the rack, see pages E1.32 – E1.33.

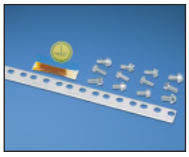
StructuredGround™ Grounding System

Paint Piercing Grounding Washer Kits

- Bonds frame members on bolt-together racks
- No paint scraping required
- Green color coding to indicate bonding application

Part Number	Part Description	Std. Pkg. Qty.
RGW-100-1Y	100 paint piercing bonding washers for 3/8" stud size; .875" O.D.; provided with .16 oz. (5cc) of antioxidant.	1

Rack Grounding Strip Kits



- Bonds up to 44 RU per rack
- EIA Universal mounting hole pattern

UL LISTED CSA CERTIFIED

Part Number	Part Description	Std. Pkg. Qty.
RGS134-10-1Y	10 rack grounding strips; 78.65" length; .67" width; .05" thickness; provided with .16 oz. (5cc) of antioxidant, one grounding sticker and 30 each #12-24 x 1/2" and M6 x 12mm thread-forming screws.	1

Bonding Screws

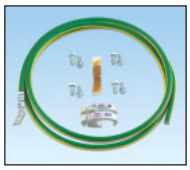
PATENT PENDING

- Patent pending screws create an electrical bond between painted patch panels and racks or cabinets
- Serrations on bottom of screw remove paint from patch panel, thus providing metal-to-metal contact
- Thread-forming, provides a bond to the rack or cabinet by removing paint from threaded holes and minimizing metal shavings

Part Number	Part Description	Std. Pkg. Qty.
RGTBSG-C	Green thread-forming bonding screw, #12-24 x 1/2".	100
RGTBS1032G-C	Green thread-forming bonding screw, #10-32 x 1/2".	100

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

Common Bonding Network (CBN) Jumper Kit



- Bonds the rack or cabinet to the MCBN
- HTAP, included in kit, requires crimping tool and die; see the CT-930 and CT-2931 crimping tools on pages C2.22 – C2.23
- HTAP is UL Listed and CSA Certified for applications up to 600 V when crimped with *PANDUIT* and specified competitor crimping tools and *PANDUIT* crimping dies

UL LISTED CSA CERTIFIED

Part Number	HTAP	Part Description	Std. Pkg. Qty.
RGCBNJ660P22	HTCT2-2-1 #6 – #2 AWG	#6 AWG jumper; 60" length; 45° bent lug on grounding strip side; provided with .16 oz. (5cc) of antioxidant, two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws and a copper compression HTAP* for connecting to the MCBN.	1
RGCBNJ660PY	HTCT250-2-1 #2 AWG – 250 kcmil		1

*HTAP also sold separately.

Electrostatic Discharge (ESD) Port Kits

- Accommodates standard ESD wrist strap 4mm plug
- Can be mounted to front or back of rack or cabinet for convenient access
- Barrel permanently marked with the protective earth (ground) symbol

Part Number	Part Description	Std. Pkg. Qty.
RGESD2-1	Two-hole ESD port with 5/8" hole spacing; provided with an ESD protection sticker, .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2" and M6 x 12mm thread-forming screws.	1

Contact your local electrical distributor for their selection of Electrostatic Discharge (ESD) wrist straps.
ESD port must be attached to a grounded member.

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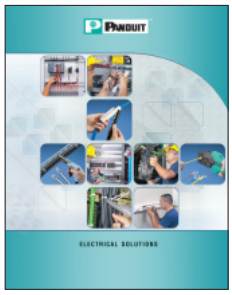

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Acrobat Alert "...may contain newer information than this viewer can support..."

When opening PDF documents on this disc, you may see this alert.

Check the ***Do not show***... box and click OK. PDF files on this disc are formatted to be completely functional with Acrobat Reader version 5 or higher. As long as the PDF file opens, all required features will be available.

If you wish to upgrade to a newer version of Acrobat (now Adobe) Reader, click the Program Links button to the left.

TOP

LInks not working (Pop-Up Blockers)

Some links will open a new browser window. If you have a pop-up blocker installed in your browser, it may see new linked windows as pop-ups. Setting the blocker to allow pop-ups from this site (CD) should resolve this problem.

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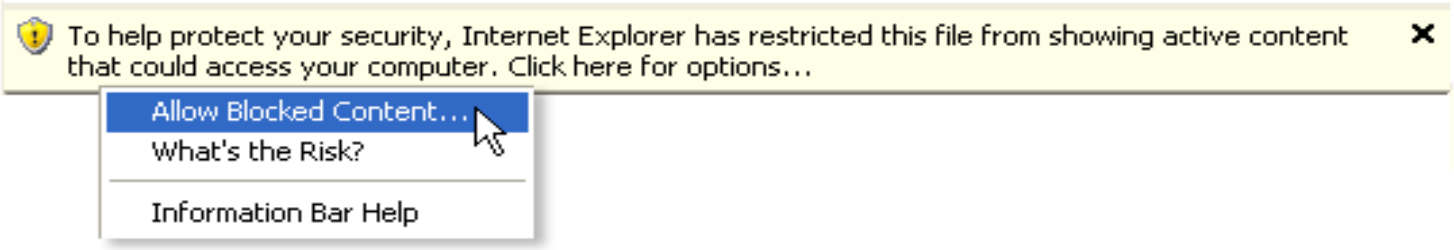
Links not working / security alerts (Windows XP)

If you have installed Service Pack 2 (SP2) for Windows XP (Home or Professional) you are aware of the very high level of security enforced by the system. It is particularly aggressive in protecting you against "active links". Virtually every file on this CD has active links that allow you to move between pages and open other documents. As a result, some documents may seem to have links that don't work or pages that open blank. If this happens, look at the top of the web page for this alert:



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Adobe Reader Application or Browser Options

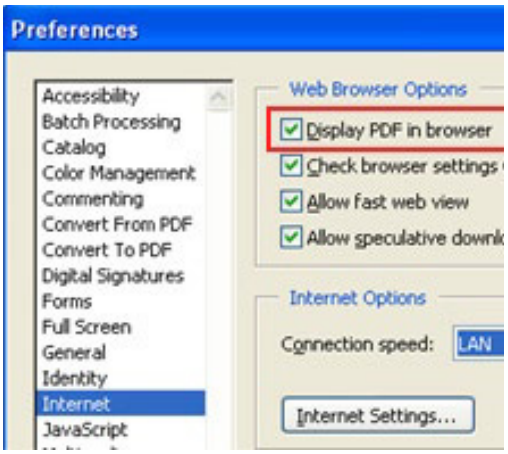
When you install Acrobat Reader, it installs both an Application (stand-alone program and a plug-in for your brower program(s). By default it will be configured to open PDF files in your Internet browser. You may setup Acrobat to open documents in either your browser window or to open them in the standard Reader application window.

What's the Difference?

INTERNET BROWSER WINDOW	APPLICATION WINDOW
Can have only one PDF Document open at a time	Can have multiple documents open simultaneously
Search may be limited by support provided at the site of the PDF file	Support for full Search of the site/CD contents
Potential security alert in Windows XP (SP2) everytime you link to an new document	No Security alerts

This option can be easily changed in the Reader application. To open the application window, look for the Adobe icon on your Start menu or Desktop. This option can only be edited within the application. These instructions apply to version 5 through 7.

- Select Edit/Preferences
- From the list in the left pane select Internet
- Check "Display PDF in Browser" to have PDF file open in your Browser; uncheck it to have PDF files open in the Reader application.



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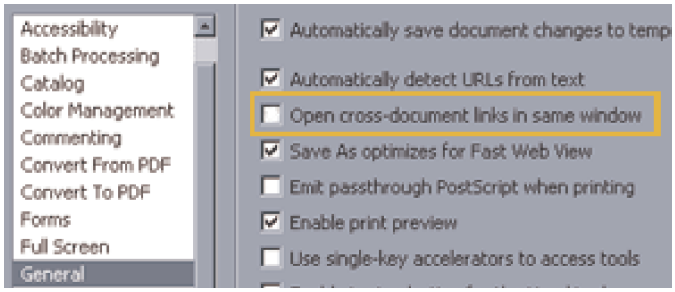

The Reader application offers you the option of having links between documents open to replace the original window or open as a new window. While in the Preferences area of Reader, select the General option in the left pane.

Default (checked) is to have links open in the same window. Uncheck "Open cross-document links in same window" if you prefer to have links open in a new window.

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Bookmarks - Hyper Table of Contents

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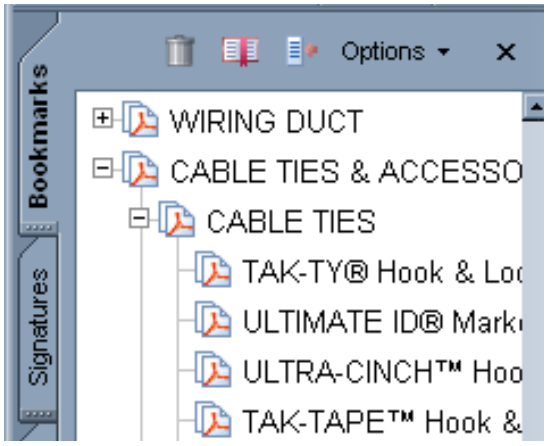
Bookmarks can be toggled on or off by selecting the appropriate tab on the left side of the page.

Bookmarks contain nested listings so you can locate major catatories, then drill down to specific products types.

Click the "+" or "-" in front of the listing to expand or collapse a category.

Click on a bookmark link at any level to jump to that specific location.



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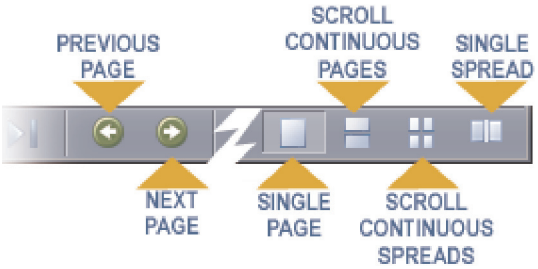
Navigation / Page View Options

Acrobat enhances your experience in PDF catalogs with two sets of navigation buttons. The arrow buttons work just like the Next and Previous buttons in a web browser.



Page view buttons allow you to choose to view one page at a time or scroll so you can see portions of the bottom of one page and the top of the next.

Some pages, like Roadmaps in *PANDUIT* catalogs, are best viewed as spreads (side-by-side pages). You can choose this option with the page view buttons.

TOP

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- Acrobat Alert:"This file may contain newer..."
- Links not working, pop-up blocker
- Windows XP links not working, security alerts
- View with Browser or Reader Application
- Bookmarks: quick, easy table of contents
- Acrobat navigation Next / Previous buttons
- View facing pages
- Acrobat Search options

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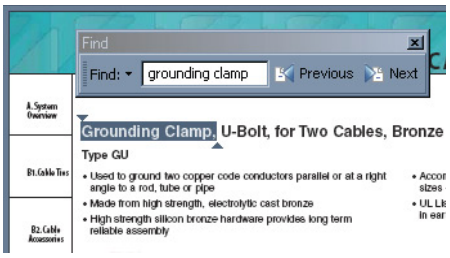
Using Acrobat Find or Search

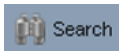
In Acrobat, Find and Search are distinct functions.

- Find scans the currently selected document for matches to your criteria
- Search can be configured to include one or multiple documents on a disc computer or server, then return results that appear in any of those documents.

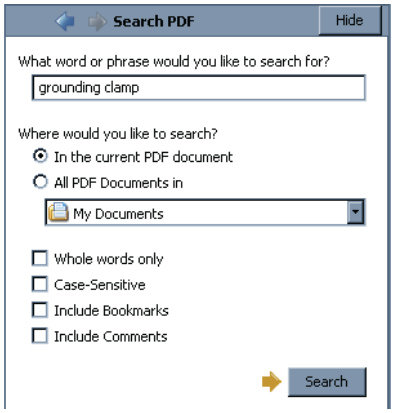
Acrobat Version 6 or 7



Find is accessed with the Ctrl+F key combo (Edit>Find). Type in the search criteria and click Next. If there are matches to your criteria, a page will appear with the results highlighted. Continuing to click Next or Previous changes pages and highlight locations.

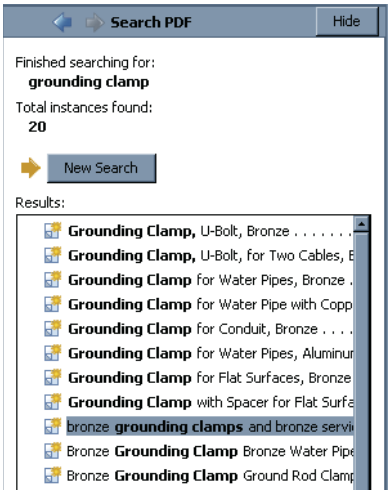
Open **Search** by clicking the binocular button 

(Ctrl+Shift+F). The Search dialog offers the option of selecting locations to be included (1).



Enter your search criteria, click the search button.

TOP



Results will appear as a list. Each item is an active link to that location in the document where it was found. Click a link to jump to that location.

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Optional Installation Programs & Links

PDF files on this optimized for use with Acrobat 5 or higher.

Installing Acrobat / Adobe Reader

If you don't already have Acrobat Reader, it is always recommended that you download the most current version from the Adobe website. Click the logo under Third Party Links (below) to go the the download page. The name of the program was changed from Acrobat Reader to Adobe Reader starting with Version 6.x. The version on this CD is 7.0.5 (U.S. English, Windows only) and is made available for those who do not have ready access to the internet. To install from this disc, browse the CD folders and open Programs.

Installation Cautions

Adobe strongly recommends that only one version of Reader be installed on any computer. Please uninstall previous versions before you install. Uninstalling a previous version after installing a newer one can also delete files required by the newer one.

Free Third Party Links (if needed)

PANDUIT Web sites, CDs and DVDs may contain multimedia programs that require your computer to have one or more of the following programs or plugins installed. Selecting a file or link requiring one of these programs will alert you of the program required. All these programs are free by way of the Internet links below. If you frequent the Internet, you probably already have some or all of these programs installed.

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TOP

Searching by Part Numbers in this Catalog PDF

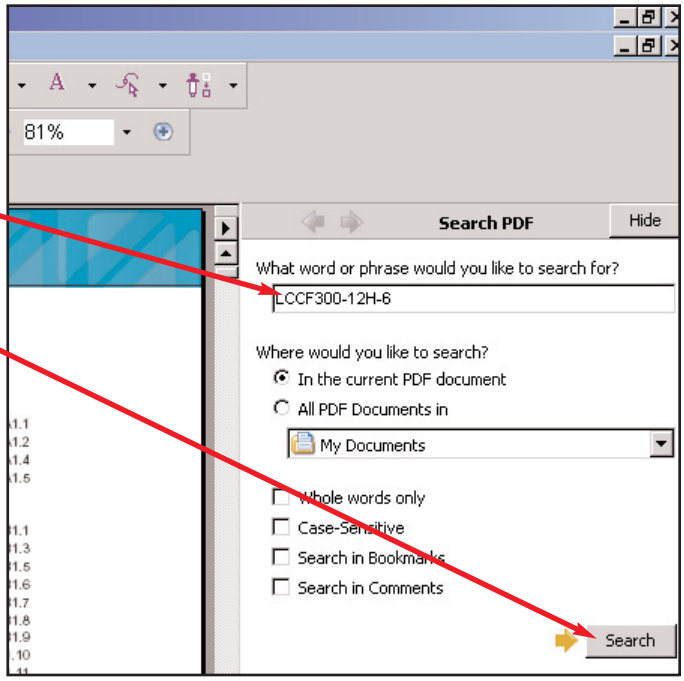
1. To search for a Part Number in this Catalog PDF, either press the Control key and the letter F (Ctrl-F) at the same time OR from the menu bar, select Edit, and then select Find/Change.

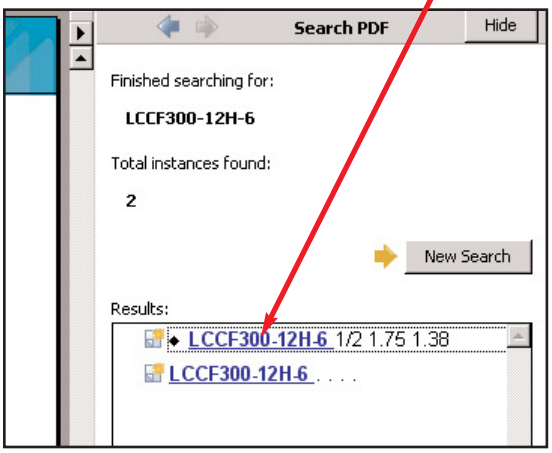
2. The screen will spit into two parts. In the first window on the right side, type in the part number you wish to find. For example, if you wish to find LCCF300-12H-6, type as shown. There is no need to be case sensitive in your typing.

3. When you are done typing, press the "Search" button.

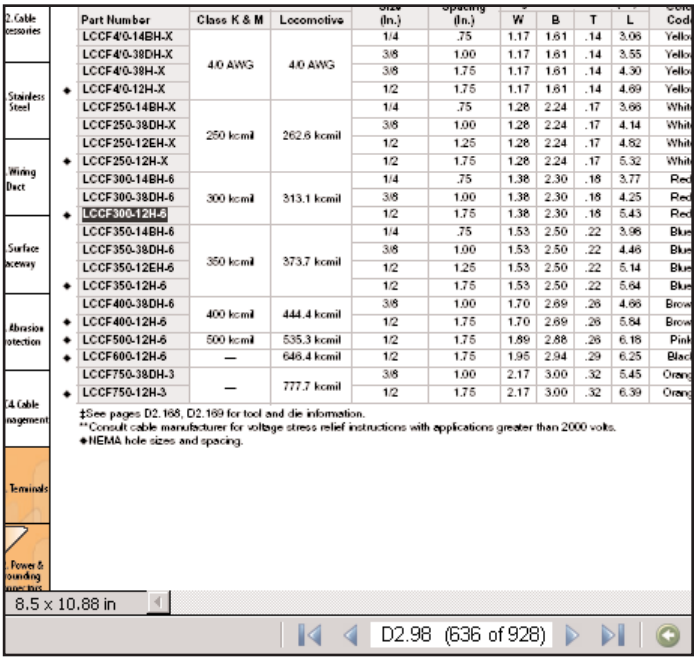
If you want to be less precise in your search, and find all instances of similar part numbers, you could type in just part of the number. For example, if you want to find all the LCCF300 numbers, just type in LCCF300.

4. The right side of the screen, under "Results", will now display all occurrences of the part number. Select any of the choices to be taken to that page.





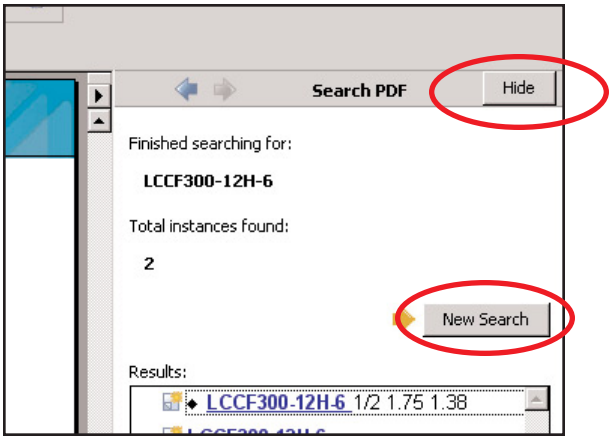
5. The left side of your screen will now show the page with the part number, and the part number will be highlighted (see below).



Part Number	Class K & M	Locomotive	Size (In.)	Spacing (In.)	W	B	T	L	Code
LCCF4/0-14BH-X	4/0 AWG	4/0 AWG	1/4	.75	1.17	1.61	.14	3.06	Yello
LCCF4/0-38DH-X			3/8	1.00	1.17	1.61	.14	3.55	Yello
LCCF4/0-38H-X			3/8	1.75	1.17	1.61	.14	4.30	Yello
◆ LCCF4/0-12H-X			1/2	1.75	1.17	1.61	.14	4.69	Yello
LCCF250-14BH-X	250 kcmil	262.6 kcmil	1/4	.75	1.28	2.24	.17	3.66	Whit
LCCF250-38DH-X			3/8	1.00	1.28	2.24	.17	4.14	Whit
LCCF250-12EH-X			1/2	1.25	1.28	2.24	.17	4.82	Whit
◆ LCCF250-12H-X			1/2	1.75	1.28	2.24	.17	5.32	Whit
LCCF300-14BH-6	300 kcmil	313.1 kcmil	1/4	.75	1.38	2.30	.18	3.77	Red
LCCF300-38DH-6			3/8	1.00	1.38	2.30	.18	4.25	Red
◆ LCCF300-12H-6			1/2	1.75	1.38	2.30	.18	5.43	Red
LCCF350-14BH-6	350 kcmil	373.7 kcmil	1/4	.75	1.53	2.50	.22	3.96	Blue
LCCF350-38DH-6			3/8	1.00	1.53	2.50	.22	4.46	Blue
LCCF350-12EH-6			1/2	1.25	1.53	2.50	.22	5.14	Blue
◆ LCCF350-12H-6			1/2	1.75	1.53	2.50	.22	5.64	Blue
LCCF400-38DH-6	400 kcmil	444.4 kcmil	3/8	1.00	1.70	2.69	.26	4.66	Brow
◆ LCCF400-12H-6			1/2	1.75	1.70	2.69	.26	5.84	Brow
◆ LCCF500-12H-6	500 kcmil	535.3 kcmil	1/2	1.75	1.89	2.88	.26	6.18	Pink
◆ LCCF600-12H-6	—	646.4 kcmil	1/2	1.75	1.95	2.94	.29	6.25	Blac
LCCF750-38DH-3	—	777.7 kcmil	3/8	1.00	2.17	3.00	.32	5.45	Orang
◆ LCCF750-12H-3			1/2	1.75	2.17	3.00	.32	6.39	Orang

‡See pages D2.168, D2.169 for tool and die information.
**Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 volts.
◆NEMA hole sizes and spacing.

6. To return to a full screen view, select the "Hide" button. To keep the "Search PDF" screen and search for more part numbers, select the "New Search" button (see below).



Note: An alternative is to look in the Part Number Index at the back of this PDF and find the part number manually, then manually scroll to the page indicated.

Click Here to Return to the Table of Contents