PPC®

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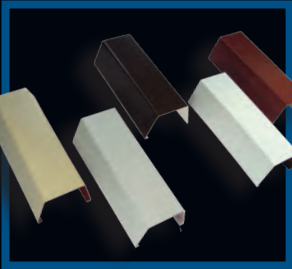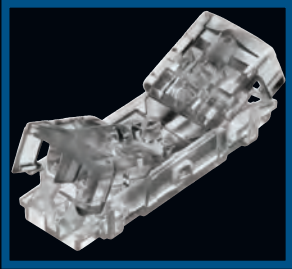
A **BELDEN** BRAND

Communications Hardware

- Splice Closures & Sheath Repair
- Splicing Tools & Connectors
- Drop Hardware
- Construction Hardware
- Bonding & Grounding Hardware
- Fastening Hardware
- Installation Supplies
- Cable Ready Raceway

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Splice Closures & Sheath Repair

Index A

Splice Closures & Sheath Repair

Product Overview - Kold-N-Klose®

The Permanent Splice and Sheath Repair System

Over 30 years of proven success. Thoroughly tested and evaluated to fulfill the needs of the Telecommunications Industry. Components of the Kold-N-Klose® System can be used to serve your specific splicing needs including:

- Simple sheath repair of any length or diameter cable
- Encapsulation of buried or aerial splices
- For use on filled or aircore, plastic or lead and pressurized cable

Kold-N-Klose® The Complete System from Simple Sheath Repair to Encapsulation Splicing

Separate sheath repair and encapsulation inventories are eliminated with the Kold-N-Klose system. Using the same sleeve material and a forced encapsulation procedure, the Kold-N-Klose system proves its craft-friendly versatility on filled or air-core cable.

The Cost-Effective, Safe and Torch-free System

- Craft Friendly
- Totally Mechanical
- No Special Tools required
- Can be installed under the most severe environmental conditions (-20°F to 140°F) (-29°C to 60°C)
- Service temperatures (-60°F to 200°F) (-51°C to 93°C)
- Use it in manholes and joint trench installations
- No heat or flame required
- RUS/RDUP Listed

Kold-N-Klose® Product Highlights

Features	Benefits
No Heat Required	Eliminates safety concerns associated with the use of torch or heat gun Installation for both outside plant and installers. Also eliminates special storage requirements and transportation of safety equipment.
"Craft Friendly"	Uses standard installation techniques and procedures familiar to craft personnel and minimizes training.
Flexibility	The completed closure or repair is designed to remain flexible to assure the long-term quality of the seal during closure and cable movement.
Unique Packaging	Packaged for use in any splice or repair situation. Utilizes one product package for all applications, regardless of sheath opening length, bundle diameter or pair count.
No Pressure Bleed-Down Required (Pressurized Cable Repairs)	Reduces overall installation time; prevents accidental moisture entry into other areas of the cable.
Dynamic Encapsulation (Encapsulated Spliced or Repairs)	Forces encapsulant into all parts of the splice. Maintains pressure on the cured encapsulant to allow flexibility without encapsulant degradation. Can be immediately buried.
Quality Engineered	Tested for reliability. Bellcore approved.
Field Support	Complete training and literature provided.
Time Proven	Over 30 years of Telco use in the USA and worldwide.

Suitable for Telecom Applications to 15 PSIG

Splice Closures & Sheath Repair

Material Selection Guide

Material Selection Guide

Applications	Sleeve TBT9XXX	Sealant Strips TBT20	Encap Kit TBT60	Klear-Wrap TBT03, TBT04	Splice Envelope TBTENVXX	Pressure Tape TBT50	Spacer Web TBTSW	Strain Relief Kit TBT69	Pressure Flange TBTPRFL	Vent/Drain Kit CVK	DR Tape*
Forced Encapsulation Kit	X	X	X			X					
Forced Encapsulation Components	X	X		X	X	X	X	X			
Sheath Repair Non-Pressurized	X	X									
Sheath Repair Pressurized	X	X				X					X
Splice/Pair Repair Non-Pressurized	X	X		X				X			
Trouble Opening Pressurized	X	X		X		X		X			X
Splice/Pair Repair with Vent/Drain	X	X		X		X		X		X	
Sheath Pullout Repair	X	X									
Auxiliary Joint	X	X				X					X
Pressure Plug Repair	X	X				X					X
Pressure Flange						X			X		
Inner-Outer Sheath Dam	X	X									X
Isolation Joint	X	X									X
Pedestal Splice Closure	X	X	X			X					

* Additional product required

Kold-N-Klose® System Applications

SIMPLE SHEATH REPAIR   ENCAPSULATION CLOSURE   PRESSURIZED CLOSURE
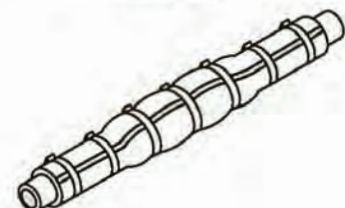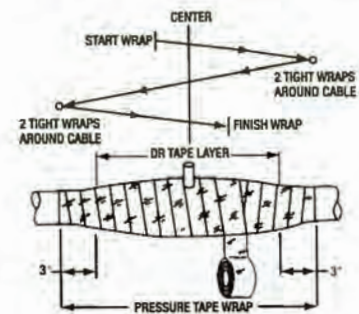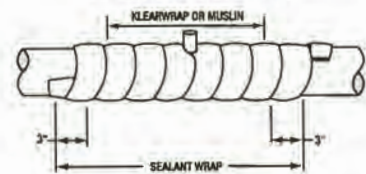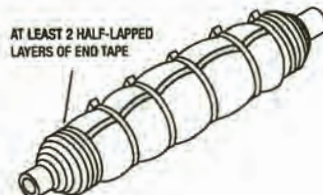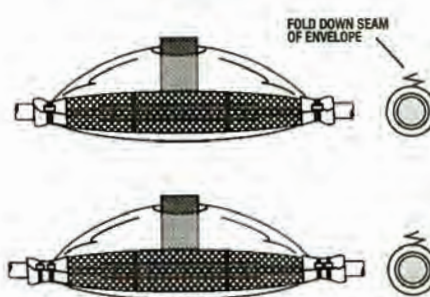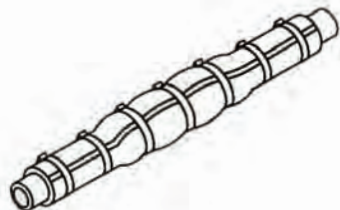
Splice Closures & Sheath Repair
Sheath Repair & Encapsulation System

Sheath Repair System

Applications	Sheath Opening	TBT04 Klearwrap*	TBT20 Sealant Strips	TBTDR2 DR Tape**	TBT50 Pressure Tape	Sheath Repair Sleeve	
						Sleeve Length	Catalog Number***
Pressurized Trouble Opening	18"	12ft	12	2ft	48ft	42"	TBT93xx
Non-Pressurized Trouble Opening	18"	12ft	12	-	Optional	30"	TBT92xx
Auxiliary Joint	-	-	2	4ft	12ft	13"	TBT93xx
Isolation Joint	3"	6ft	9	6ft	35ft	20"	TBT93xx
Tree Rub-6 inch	None	-	-	-	-	12"	TBT92xx
Sheath Pullout (aerial terminal)	12"	6ft	1	-	-	16"	TBT92xx

*For PIC cable only. Use muslin pulp or paper cable.
**Use as approved locally
*** xx=05 for 5ft Roll or xx=20 for 20ft Roll of Sheath Repair Sleeve.

Note: For information regarding the full range of repair applications, material requirements for other cable sizes or a complete set of installation procedures, contact PPC's customer service team at 1-800-800-6652

Encapsulation System

Cable Pair Count	Sheath Opening	TBT20 Sealant Strips	TBT50 Pressure Tape	TBT60 Encapsulation Kit (Applications per Kit)	Sheath Repair Sleeve			Approximate Encapsulatant Required (grams)
					Sleeve Length	No. of Length	Catalog Number**	
25	8"	3	9ft	15	20"	1	TBT91xx	500
50	8"	4	12ft	15	20"	1	TBT92xx	500
100	10"	4	12ft	10	22"	1	TBT93xx	750
200	18"	4	15ft	7	30"	1 / 1	TBT91xx / TBt92xx	750-1500
400	18"	4	25ft	4	30"	1 / 1	TBT92xx / TBT93xx	1500-3000
600	18"	5	35ft	4	32"	2	TBT93xx	2600-3800
900	18"	6	45ft	3	32"	3	TBT93xx	3800-5000
1200	36"	12	80ft	2	54"	2 / 1	TBT93xx / TBT94xx	5700-7600
1500	36"	12	90ft	2	54"	2 / 1	TBT93xx / TBT94xx	7600-9500
1800	36"	16	105ft	1	54"	1 / 2	TBT93xx / TBT94xx	7600-9500
2400	36"	16	120ft	1	54"	3	TBT94xx	10000

**xx=05 for 5ft Roll or x=20 for 20ft Roll of Sheath Repair Sleeve

Notes:
1. Sheath repair sleeve can be used in any combination of sizes to meet the size requirements of the splice or repair. For a complete set of installation procedures, contact PPC's customer service team at 1-800-800-6652.
2. When the length or diameter of the splice requires more than one piece of sleeve, they are applied by over-lapping the pieces of Kold-N-Klose sleeve material(saddle method), or by half-lapping the Kold-N-Klose sleeve material around the encapsulation splice. This method eliminates splice diameter restrictions on the use of Kold-N-Klose.

Splice Closures & Sheath Repair
Sheath Repair & Encapsulation System

Sheath Repair Sleeve

A tough, flexible sleeve material coated on one side with TBT20® sealant strips. Used for covering repairs and splices

- Provided long-lasting protection against the environment
- No heat required
- Available in 4 convenient widths to reduce inventory and waste
- Rodent and UV resistant
- Can be immediately buried – no leveling of trench, no cooling time
- Packaged in rolls with straps included
- RUS/RDUP Listed

Part Number	Size	Packaging Per Carton	Sleeve Width	Order By
TBT9105	1	4 x 5 ft. rolls of sleeve material	4 3/4"	Carton
TBT9205	2	4 x 5 ft. rolls of sleeve material	7"	Carton
TBT9305	3	4 x 5 ft. rolls of sleeve material	8 1/2"	Carton
TBT9405	4	4 x 5 ft. rolls of sleeve material	12 1/2"	Carton
TBT9120	1	1 x 20 ft. roll of sleeve material	4 3/4"	Carton
TBT9220	2	1 x 20 ft. roll of sleeve material	7"	Carton
TBT9320	3	1 x 20 ft. roll of sleeve material	8 1/2"	Carton
TBT9420	4	1 x 20 ft. roll of sleeve material	12 1/2"	Carton

Encapsulation Kits

TBT62 kit Shown

These kits contain the interior components packaged in bulk to permit repairs or splices to cable from 25-pair to 2400-pair, any length or diameter with no waste. For example, kit contains enough material to effect 8-10 repairs on 100 to 200-pair cable or two splices on 1500-pair. This bulk packaging reduces inventory requirements RUS/RDUP Listed

To complete a splice or sheath repair, select the appropriate encapsulation kit plus appropriate size of sleeve material.

Part Number	Kit Contents	Order By
TBT60	Strain-relief tape, spacer web, web funnels Klear-Wrap, end tape, splice envelope, support straps	Kit
TBT61	Same as TBT60 with the addition of TBT50 pressure tape	Carton
TBT62	Same as TBT61 with the addition of TBT20 sealant strips	Carton

Splice Closures & Sheath Repair
Sealants, Tapes & Wraps - Sealants

TBT20® Sealant Strips
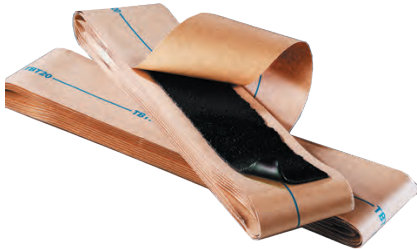
All-purpose, non-conductive sealant.

- Broad operating temperature range: -20F to 140F (installation) -60F to 200F (service)
- Homogeneous and non-toxic
- Compatible with industry standard encapsulants
- The TBT20 name is identified on the release liner to prevent confusion with other sealants
- Used to seal closures and for end collar build-ups
- RUS/RDUP listed

Part Number	Description	Packaging	Min Order QTY
TBT20®	2" x 12" Sealant Strips, individually separated	Packaged in box of 100 strips (10 bundles of 10 strips Per carton	Carton

B-Sealing Tape

Black semi-cured rubber material

- Used primarily in sealing metal splice cases
- May be used when making collar build-ups around cables for the placement of a damming or encapsulating closure

Part Number	Thickness	Width	Length per roll	Rolls per Carton	Order by
C1200-CT	1/8"	1-1/2"	15 Feet	12	Carton

KlearWrap™

All-purpose wrap used to contain, protect and shape the splice bundle.

- Clear, non-adhesive, vinyl material allows easy re-entry into repaired cable
- Blends with all colors
- Non-conductive and self-adhering
- Will not absorb moisture
- RUS/RDUP listed

TBT03   **TBT04**

Part Number	Thickness	Length per roll	Width	Rolls per Carton	Order by
TBT03*	3.0 mil	50 Feet	4"	8	Carton
TBT04	1.5 mil	150 Feet	4"	8	Carton

*Recommended for wrapping slice envelope on encapsulated closures.

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Splice Closures & Sheath Repair
Sealants, Tapes & Wraps - Wraps & Splice Protection

Spacer Web
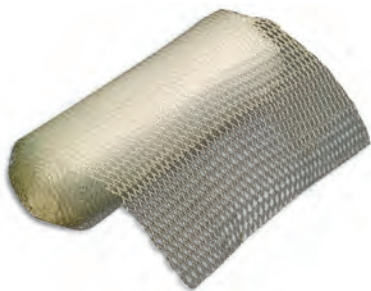
Used to provide a separation layer between splice bundle and splice envelope to ensure total encapsulation of the splice bundle.

Part Number	Length per roll	Width	Rolls per Carton	Order by
TBTSW	10 Feet	10"	1	Roll

Diaper Tape

Porous foam material used as a loose wrap around a completed splice to center it with in the closure.

- Permits free flow encapsulation between splice and closure walls
- Assures complete encapsulation and saturation of conductors
- Minimizes the possibility of voids

Part Number	Length	Width	Rolls per Carton	Order by
C1230	6 Feet	2-1/2"	100	Roll
C1233	6 Feet	4"	50	Carton

Binder Tape

Strong Nylon type material which is wrapped spirally across a splice opening to draw together the loose bundles of a splice and to aid in centering it.

- Porous material allows encapsulating compound to penetrate and fill the splice core
- Easily cut to desired length

Part Number	Length	Width	Rolls per Carton	Order by
C1228	25 Feet	2"	4	Carton
C1229	25 Feet	4"	16	Carton

Pressure Tape

High strength Mylar tape for used on pressurized repairs and encapsulated splicing applications.

- Unaffected by hydrocarbons, petrochemicals or fertilizers
- Each roll is sealed in its own polybag with pressure venting tubes
- RUS/RDUP Listed

Part Number	Length	Width	Rolls per Carton	Order by
TBT50	40 yards	2"	12	Roll

Splice Closures & Sheath Repair

Sealants, Tapes & Wraps - Wraps & Splice Protection & Tapes

Splice Envelope

Adhesive coated clear plastic sheet used to form an encapsulant envelope around the splice.

- Allows visual inspection of encapsulant fill
- Uses less encapsulant than gravity poured closures

Part Number	Length Per Roll	Width	Rolls per Carton	Order by
TBTENV18	20 feet	18"	1	Roll
TBTENV24	20 feet	24"	1	Roll
TBTENV36	20 feet	36"	1	Roll

Funnel Web

Part Number	Description	Dia.	Pieces Per Carton	Order by
TBTWF	Holds splice envelope open for pouring encapsulant	3"	10	Piece

Splice Centering Sheet

Transparent, flexible sheet is placed in the splice case prior to closing. Prevents connectors, conductors, muslin wrap or a sagging splice from becoming caught between the splice case halves.

Part Number	Length	Width	Sheets per Carton	Order by
C1257	21 feet	12'	20	Carton

End Tape

Durable, UV resistant polyolefin tape with aggressive silicone adhesive, used to dress ends of sleeve on cable repairs or splices.

Part Number	Length	Width	Rolls per Carton	Order by
TBTET2	36 feet	1.5"	10	Roll

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Splice Closures & Sheath Repair
Sealants, Tapes & Wraps - Tapes & Accessories

Vapor/Moisture Barrier Tape
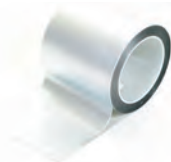
Aluminum tapes provides moisture and vapor protection.

Part Number	Length Per Roll	Width	Rolls per Carton	Order by
TBTAR2	20 feet	2"	10	Roll
TBTRA4	20 feet	4"	10	Roll

Strain Relief Kit

Woven Kevlar tape is secured with vinyl tape, emery cloth and cable ties across the splice opening to prevent sheath creep and strain on connectors. Simple & Secure.

Part Number	Description	Order by
TBT69	Kit contains: 40' of high strength Kevlar strain relief tape, 10' emery cloth strip and 50 cable ties.	Kit

Pressure Flange Kit
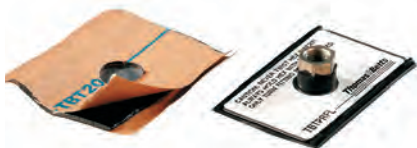
Facilitates fast application of valves to pressurized cable systems.

- Provides a pressure-tight seal when clamped to a 100-pair or larger cable sheath or metallic sleeve
- Stainless steel plate is used during installation to prevent creep
- Molded insert has 9/16" hex and internal 1/8" NPT tapered thread that accepts a variety of fittings
- RUS/RDUP Listed

Part Number	Description	Packaging	Order by
TBTPRFL	Kit contains: 1 pressure valve Housing with stainless steel Plate and 1 mastic sealant pad	10 kits/carton	Carton

Pressure Valve Kit

Rubber base flange with molded tube containing 1/8" NPT pressure valve.

Part Number	Description	Packaging	Order by
PVK	Rubber base flange with molded tube containing 1/8" NPT pressure valve	12 kits/carton	Carton

Splice Closures & Sheath Repair

Sheath Repair & Encapsulation System - Pre-Packed Kits

Pedestal Bag Kits

Designed to seal butt splices within pedestal terminals, providing an environmental seal that is insect and moisture resistant. Can also be used as a temporary splice bag.

- Non-conductive bag. Protects against moisture, UV light and insects
- Easy to install and re-enter
- Adjustable closure diameter
- Multiple cable configurations
- Reduces inventory of multiple size caps

Kit Contents:

Foil bag	Sealant Strips
Spacer Web	Cable Straps

Part Number	Description	Max. Bundle Dia.	Max. Bundle Height	Max. Bundle WTH.	Max. Bundle LTH.	Qty/ Carton	Order by
TBTPBK1	PEDESTAL BAG KIT	3"	20"	6"	24"	10	Kit
TBTPBK2	PEDESTAL BAG KIT	6"	20"	12"	24"	10	Kit
TBTPB1	FOIL REPL. BAGS-BULK	-	-	6"	24"	100	Each
TBTPB2	FOIL REPL. BAGS-BULK	-	-	20"	36"	100	Each

BA Encapsulation Kits

Kits contain components and instructions to provide an environmentally protected, encapsulant filled closure suitable for repair of filled and air core cables.

Kit Contents:

Strain Relief Tape	Poriferal Foam Splice Webbing
Splice Envelope	Diamond Tek Cable Support Straps
Outer Sheath Repair Sleeve	Instructions
Funnel Web	Klear Wrap
End Tape	Sealant Strips
Bonding Hardware	

Part Number	Pair Count	Conductor Gauge	Splice Bundle DIA Closure	Max Length Opening	Approx Amount Encap. Req. (Grams)	Kits Per Carton	Order by
TBTBA1	25 PR 100 PR	24	1-1/2"	18"	900	3	Kit
TBTBA2	100 PR 200 PR	24	2-1/4"	18"	1200	3	Kit
TBTBA3	300 PR 900 PR	24	5"	18"	2300	2	Kit
TBTBA4	1200 PR 1800 PR	24	6"	27"	3600	1	Kit
TBTBA5	2100 PR 3600 PR	26	9"	36"	4500	1	Kit

Splice Closures & Sheath Repair
Buried Forced Encapsulation Closures

Flexshell® Buried Force Encapsulation Closures

In-line or butt splice closure designed for new construction and maintenance. Flexshell kits are re-enterable and extendable thus reducing installation time and simplifying inventory.

- Cost reduction on both installation time and materials Firm Module holding
- End collars and closures diameter are easily customized to the actual size of splice
- Re-enterable and extendable
- Unique rigid bond bar attaches to your bond clip studs and is secured to cable sheath across the splice opening

1. Install Bond/Strain Relief Bar

2. Construct Splice

3. Build end Collars
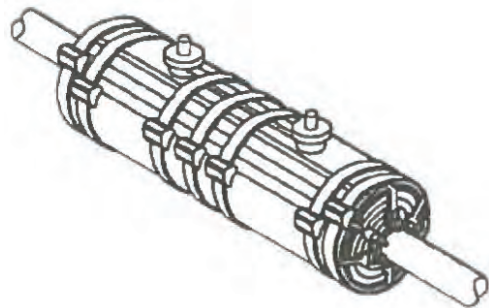
4. Apply Shell and Tighten Straps

5. Pour Encapsulant

6. Install Valves and Pressurize

Flexshell Product Highlight

Features	Benefits
Shell made of a copolymer	Translucent shell allows installer to view encapsulant fill. Good cold weather impact resistance. Tough but flexible-easy to handle and install
Flexible Closure Diameter	Saves encapsulated, closure diameter is matched to splice bundle diameter. Reduces inventory- one Flexshell can replace several fixed diameter closures. Increases efficiency-installer never has the wrong size for the job.
Simple End Collar Design	End Collars are easily customized to cable configurations and splice bundle diameter.
Unique Fingers Molded Shell	Eliminates the need for wrapping the end collar with DR tape
Pressure Relief Value	Allows air tapped in closure to be forced out during pressurization
Large Air Channel	Provides clear route for air to travel to the pressure relief valve
Color Coded Valves	Eliminates confusion between check valve and pressure relief valve
Clear Pressurization Cartridge	Reduces spillage and mess by allowing installer to view encapsulant in cartridge when filling.
Date Coded Shell and Packaging	Product Traceability

Splice Closures & Sheath Repair
Buried Forced Encapsulation Closures

Flexshell® Kit

In-line or butt splice closure designed for new construction and maintenance.

Kit Contents:

Shell	Pressure relief and check valve housing caps
Assembly Procedures	Spacer Web
Bond Bar	Encapsulation Cartridge
Axial gasket	Plungers
TBT20 Sealant Strips	Funnel
Shell retaining straps	End Collar foam
Clear tube	

Note: Use locally approved bond clips and encapsulant.

Part Number	Opening Size	Max Splice Bundle	QTY per Carton	Order By
TBTFL4	5"	2-1/2"	1	Carton
TBTFL8	11"	3-1/2"	1	Carton
TBTFL13	21"	3-1/2"	1	Carton
TBTFL18	21"	5-1/2"	1	Carton
TBTFL28	21"	7"	1	Carton

Re-Entry Kit

Provides components needed for re-entry and re-encapsulation of a Flexshell closure. Contains all of the components provided in a complete kit except existing shell, bond bar and end collars.

Kit Contents:

Installation Instructions	Pressure relief and check housing caps
Spacer web	Encapsulation cartridge
Axial Gasket	Plungers
TBT20 Sealant Strips	Funnel
Retaining Straps	Clear tube

Part Number	Use with Flexshell Closure	QTY per Carton	Order By
TBTRK4	TBTFL4	5	Carton

Splice Closures & Sheath Repair
Buried Forced Encapsulation Closures & Accessories

Extension Kit

When Larger than standard size opening is needed, the Flexshell Extension Kits allow 2 Flexshell closures to be joined end to end. Two TBTFL8 Closures may be joined end to end to increase the opening from 11" up to 32".
Two TBTFL13, TBTFL18 Closures may be joined end to end to increase the opening length from 21" up to 52" (TBTFL28 Closure is not extendable at this time.)

Kit Contents:
Installation instructions
Split Shell
Insulated bond bar extension with nuts
Cable Ties

Part Number	Use with Flexshell Closure	QTY per Carton	Order By
TBTXK8	TBTFL8 and TBTFL13	5	Carton
TBTXK18	TBTFL18	5	Carton

Blank End Plate

Foam core used to build end plate for butt splice applications

Part Number	Use with Flexshell Closure	QTY per Carton	Order By
TBTBEP	All Sizes	5	Carton

J.C. Closures Buried Butt Splice Closures

Re-enterable butt splice closures for cable and buried service drop wire terminations in pedestal terminals and concrete or plastic sod boxes. Suitable for splice diameters up to 3-3/4 inches. Will accept in and out cables and up to eight buried service drops.

Design Features:
• Eight-finger access adapter at base of closure can be customized using snips to appropriate cable size and number of service drops. Un-snipped ports remain sealed
• Clear sleeve permits visual inspection of the splice and encapsulation

Kit Contents:
Clear Sleeve   Bonding Clips
End Cap   Bond Bar
Eight finger access adapter   Diaper Tape
Sealant   Plastic ties

C2175

C2183

Part Number	Description	Max Splice DIA	Encapsulant Incl in kit	Inner pack	Out pack	Min Order QTY
C2175	JC Closure	2"	NO	1	10	10
C2183	JC Closure II	3-1/2"	NO	1	10	10

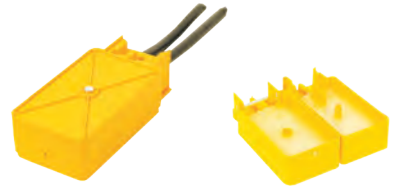# Splice Closures & Sheath Repair
Buried Closures

KLIK-IT® Buried Service Wire Closures

A range of filled, two-piece closures designed permanent splice encapsulation of 2 to 25 pair buried service drops. Economical and easy-to-install, these closures go together quickly and are ready for burial as soon as the splice is completed.

25 Pair KLIK-IT

Butt Splice

In-Line Splice

Design Features:
- Tough durable two-piece plastic housing- "clicks" tightly closed
- Pre-packed with grease type re-enterable encapsulant
- Water resistant
- Grease surrounds the splice connectors preventing corrosion and electrical shorting
- Re-enterable
- Optional strain relief and bonding hardware on some models
- Packaged in shrink-wrap for longer shelf-life and ease of transportation
- Straight and butt splice versions available
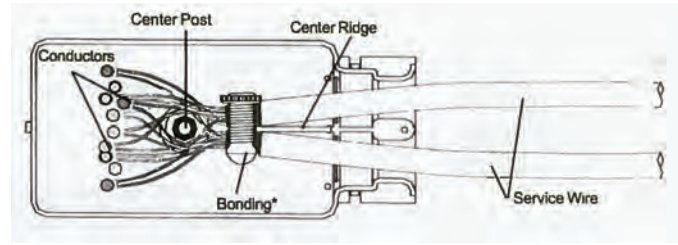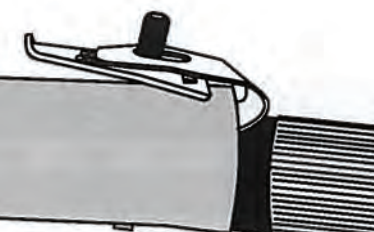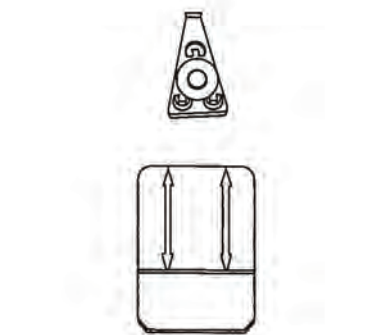- Models C8825 and C88320 conform to Bellcore TR-NWT-000251

Part Number	Description	Max Pair	Splice Style	Strain Relief	Bonding	Outer Pack	Inner Pack	Min Order QTY
BUTT SPLICE KLIK-IT								
C8811	Standard KLIK-IT II	5	Butt	No	Barrel	72	-	72
C8811BCT	Wide Neck KLIK-IT II	5	Butt	Yes	None	72	-	72
C8811G	Standard KLIK-IT II with Bond Stud Coin	5	Butt	No	Bond Coin	72	-	72
C8816	Standard KLIK-IT II w/out grounding	5	Butt	No	None	72	-	72
C8816KB	Standard KLIK-IT II with Strain Relief	5	Butt	Yes	None	72	-	72
C8820	Standard KLIK-IT III	5	Butt	Yes	Integral	72	-	72
C885611X	KLIK-IT II 6 pair	6	Butt	No	Split Bolt	72	-	72
C8812	Large Capacity KLIK-IT	25	Butt	No	None	15	-	15
STRAIGHT SPLICE KLIK-IT								
C8813	Standard KLIK-IT SS	5	Straight	No	Barrel	1152	48	48
C8815	Standard KLIK-IT SS w/out Grounding	5	Straight	No	None	1152	48	48
C8825	Standard KLIK-IT SSIII	5	Straight	Yes	Integral	1152	48	48
STRAIGHT SPLICE KLIK-IT FOR COPPER AND COAX CABLE								
C8826U	KLIT-IT SSC with with Coax Connector	5	Straight	No	None	1152	48	48

Splice Closures & Sheath Repair
Bonding & Grounding Hardware - Clips & Clamps

Bullet Bond 1000

A universal shield bonding connector that provides excellent electrical and mechanical bond. Universal size is designed to fit any size or type of cable from 11 pair up, but double bonding is recommended on cables larger than 2-1/2 inch O.D. Commonly used in cable splice openings, ready access terminals or pedestals, but it can be used anywhere a bond or ground contact is required.

Design Features:
- Low contact resistance makes it ideal for reducing noise on data transmission lines
- Fits any medium to large cable
- When installed, clip will withstand a current surge of 1000 amps for more than 20 seconds
- Special heat shield protects underlying conductors from electrical and mechanical damage

Kit Contents:
Tanged top anchor plate	Baseplate with stud
Fold over shim	Heat shield
2 nuts with captive washers	Instructions

Baseplate:
- ¾" fixed binding post stud
- Is curved to fit the core of the cable
- 1" long and ¾" at its widest point

Shim Plate:
- Tin-plated copper shim with multiple tangs at one end penetrate the shield providing a low resistance connection
- Tail folds over the stud and contacts the top anchor plate
- Tail improves the current carrying capacity of the clip to the bridging device

Top Anchor Plate:
- Fits over the stud of the baseplate and has tangs to securely grip the outer cable sheath
- Hook nose helps prevent bond loss due to cable movement, when used with hose clamps inside pedestals
- Protects the underlying conductors in the event of a high current surge in the vicinity of the clip

Heat Shield:
- Moisture-proof, heat resistant material which is place between the base plate and core wrapper Hook nose helps prevent bond loss due to cable movement, when used with hose clamps inside pedestals
- Protects the underlying conductors in the event of a high current surge in the vicinity of the clip
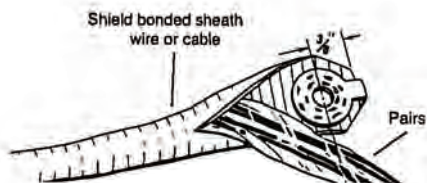
Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4043	Bullet Bond 1000 Clip	1	100	1

Splice Closures & Sheath Repair

Bonding & Grounding Hardware - Clips & Clamps

Bullet Bond Clip

A highly reliable shield bonding connector that provides an excellent electrical contact and a strong mechanical bond. Fits any medium to large cable, 11 pairs and up.

Design Features:

- Top anchor plate and the base plate with fixed stud for superior strength
- Top and base plates are copper plated for low resistance conductivity and cadmium plated to resist corrosion
- Multiply tang shim plate penetrates shield to provide a low resistance connection

Kit Contents:

Tanged top anchor plate   Baseplate with fixed stud
Multiple tang shim plate   2 nuts with captive washers

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4040	Bullet Bond Clip	N/A	100	1

Beaver Clamp

A simple, dependable two-piece cable shield bonding connector that meets or exceeds industry standards. Designed to fit cable diameters from 0.4 inch and larger.

Design Features:

- Easily withstands both major electrical surge test criteria – 1200 amps for 10 seconds and 1000 amps for 20 seconds
- Bottom plate has multiple tangs that bite through coating and laminations onto the underside of the sheath
- Top anchor plate has four fang-like protrusions that bite in from the top side when the clap is tightened in place
- Excellent mechanical pullout strength and electrical continuity
- Supplied with 2 nuts with captive washers- one to secure the top anchor plate the other for securing the bonding bar or braid to the stud
- Optional heat shield to protect underlying conductors in the event of current surge is available

Kit Contents:

Top anchor plate   Tanged bottom plate with fixed stud
2 nuts with captive washers   Instructions

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4025HS	Beaver Clamp w Heat Shield	50	1050	1

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Splice Closures & Sheath Repair
Bonding & Grounding Hardware - Clips & Clamps

Bonding Coin

Shield bonded sheath wire or cable

Pairs

Add image of Web Guard Kit

Sandwich type bond clip for use on cable shield drop wire. Sheath with bond coin and compression washers is placed over bond stud of adjoining cable. Fast, dependable bonding for non-fused shield service wire. Available in two sizes.

Design Features:
- Simple folds over for quick installation
- Tangs bite in for reliable electrical bond

Kit Contents:
Clip
2 Compression washers
Instructions

Part Number	Description	Center to Center Dim A	Inner Pack	Outer Pack	Min Order QTY
C2055	Bonding Coin- Long	1-5/16"	100	2100	1
C2056*	Bonding Coin- Short	13/16"	100	2100	1

*Can be used with Braid and Web Guard Kit

Bond Stud Coin

A fast, easy to install sandwich style bonding clamp with threaded stud for easy attachment to sheath and shield. Bond coin of adjoining buried service drop or small cable is easily attached.

Design Features:
- Simply folds over for quick installation
- Perforated tangs and compression washer provide a firm grip

Kit Contents:
Clip with Stud   Compression washer
Nut   Instructions

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C2057	Bond Stud Coin 1	100	2100	1
C2058	Bond Stud Coin 2 – additional nut	100	2100	1

Splice Closures & Sheath Repair

Bonding & Grounding Hardware - Clips & Clamps

Six Ground Clip

A one-piece clip designed for termination of No. 6 copper wire. Fits over ground posts up to ¼ inch O.D.

Design Features:
- "L" channel clamps ground wire at a 90-degree angle to minimize danger of pullout
- Clip will withstand a 1000 amp current surge for 20 seconds

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4045	Six Ground Clip	100	2100	1

G Protector Clip

The one-piece clip, bonds or grounds the shield of a service wire or small cable up to ¼" O.D. or 3/8" O.D. at station protectors, pedestals and similar terminations. Low resistance path to ground prevents stray electromagnetic interference from inducing noise or cross talk on cable pairs and provides a ground circuit path from the shield to the ground protector.

Design Features:
- Plastic boot is included to protect shield against corrosion and the environment
- Easy slip-on installation
- Center groove grips cable or buried service drop allowing pairs to fan out from both sides
- Tangs compress against shield for positive electrical and mechanical bond

Basic Kit Contents:
One piece clip
Instructions
Insulator boot

Part Number	Description	Max Shield O.D	Inner Pack	Outer Pack	Min Order QTY
C4047	G Protector Clip	¼"	100	1000	1
C4058	G Protector Clip	3/8"	100	1000	1

Eleven X Connector Aluminum

The slotted screw with knurled nut provides effective shield bonding of large aircore and filled service wires up to ½" shield O.D. (11, 16 and 25 pairs) to a ground wire or ground stud. Can also be used to bond the two pieces of butt spliced service drop within a buried service drop closure.

Part Number	Description	Max Shield O.D	Inner Pack	Outer Pack	Min Order QTY
C4066	Eleven X Connector	½"	100	1000	1

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Splice Closures & Sheath Repair
Bonding & Grounding Hardware - Clips & Clamps

Heat Shield
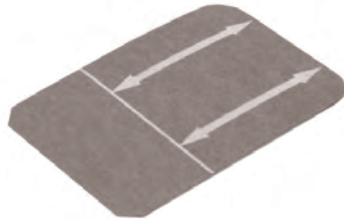
Bulk packaged heat-shields (as supplied with the C4043 Bullet Bond 1000) for use with the C4040 Bullet Bond and C4025 Beaver Clamp. This moisture-proof, heat-resistant material may be used to insulate conductors in the event of a high current surge in the vicinity of the bond clamp.

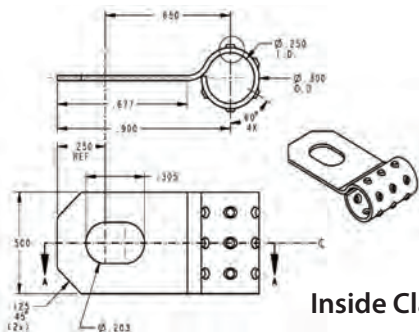| Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4251	Heat Shield	100	500	100

Fiber Optic Bonding Clamp

Easy to install Fiber Optic Bonding Clamp provides a secure bond without compression of buffer tube or fibers.

Features:
- Interior clamp insures no compression of buffer tube or fibers
- Accepts fiber core up to .240 inches
- Serrated surface of interior clamp pierces the copolymer film on shield insuring bond with shield
- Multiple contact points ensure reliable connection
- Solid copper clasps, tin-plated, offers most conductive, non-corrosive materials
- Floating bond design protects against pullout from frost
- Second nut allows for bond removal for testing and maintenance
- Easy to install
- Cost effective

Inside Clasp

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
FBC-1	Fiber Optic Bonding Clamp for Small Fiber Cables	25	25	25
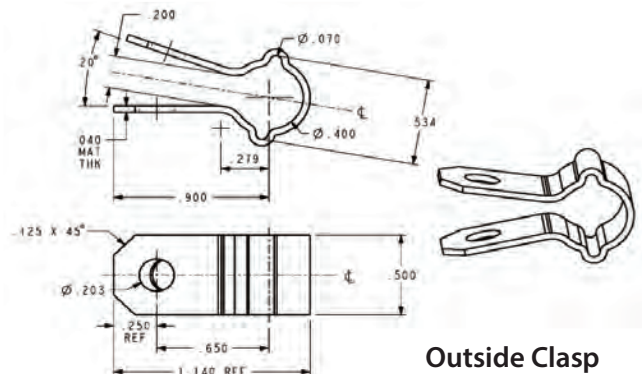
Outside Clasp

Splice Closures & Sheath Repair
Bonding & Grounding Hardware - Clips & Clamps

ADSL Aerial Drop Bond Clasp Kit

The ADSL Drop Bond Clasp Kit offers a simple, effective bonding solution for 2 or 3 pair shielded aerial drops, including those with RF drain wire. The Drop Bond Clasp connects to the shield and RF drain wire of an aerial ADSL drop in the terminal and in the Network Interface Device (NID).

Features:
- The bond clasp allows easy connection of the RF drain wire to bleed off troublesome RF interference to ground
- Inspection holes ensure visual confirmation of complete shield contact between the bond clasp and the cable shield
- Pre-connectorized #10 AWG jumper in 18" or 36" length can be stacked in multiples of up to 4 on the terminal grounding stud
- Additional bond clasps may be added to a working terminal by daisy-chaining from an existing ADSL drop clasp to another, using the compression C-Tap provided in the kit
- The pre-connectorized #10 AWG jumper allows simple connection to an MGN (Multi-Grounded Neutral). Accepts a wide range of cable center conductor sizes
- Jumper assembled using 2 #10 Ring Terminals and #10 AWG stranded wire UV resistant and UL listed

Kit Contents:

2 Bond Clasps	Serrated Screw #10-24 x 3/4"
Serrated Nut #10-24	Flat Washer
C-Tap	Jumper #10 AWG Wire with 2 #10 Ring Terminals

Part Number	Description	Jumper Length (in.)	Inner Pack	Outer Pack	Min Order QTY
ADSL18	Aerial Drop Bond Clasp Kit	18	1	25	25
ADSL36	Aerial Drop Bond Clasp Kit	36	1	25	25

107A2 Rural C Wire Terminal

- Used for making connections to C Rural Wire without removing insulation
- Connects bridle wire to C Rural Wire from cable or open wire
- Also connects subscriber drop wire or line protector to C Rural Wire
- Consists of a pair of phenolic blocks, each equipped with a binding post having insulation piercing contact point
- Flexible vinyl cover
- Unit is supplied with two sealant strips
- Size: 2-1/8" x 2-1/8" (54 x 54 x 41mm)

Part Number	Description	STD Pack	Min Order QTY
C1259BS	107A2 Rural C Wire Terminal	50	1

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Splice Closures & Sheath Repair
Bonding & Grounding Hardware - Bond Bars & Braids

Braid and Web Guard Kit

Kit combines 25 feet of Bonding Braid and 25 feet of Web Guard in a convenient two-coil dispenser pack.

Bonding Braid Features:
- Flexible woven braid 7/16" wide made of die cast zinc alloy with zinc plated screws
- Composed of tinned copper strands
- Electrical carrying capacity of solid No. 6 AWG copper conductor
- Easily trimmed to length and punched for connection to a device

Web Guard Features:
- Open web, low density polyethylene protective covering
- Electrically insulates bonding braid or bonding bars from surrounding components
- Permits compound penetration when used in encapsulated splices

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4011	Braid and Web Guard Kit	1	6	6
C4013	Web Guard only 2x25 ft coils	1	6	6

"The C2056 Bond Coin can be used with the C4011 Braid and Web Guard Kit to provide full surface contact to the bond braid placed across the cable opening".

Copper Bond Bar and Insulator Tubing

Copper Bond Bar

Copper Bond Bar Features:
- Tin plated, Solid copper, ½" wide bond bar
- Provides effective shield continuity and dependable mechanical bonding
- Alternating hole and elongated slot configuration easily aligns to bond studs
- Will accommodate the base mounting posts of standard 3 pair and 6 pair terminal blocks

Insulator Tubing Features:
- 7/16" width fits easily and snugly over bond bar
- Provides protection against environmental, electrical and mechanical damage
- For use with both copper and aluminum bond bar when encapsulant is not being used

Insulator Tubing

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4079	Bond Bar 25 Ft Roll	1	10	1
C4081	Bond Bar 100 Ft Roll	1	1	1
C4080	Kit with 25 Ft roll, Copper Bond bar and 25 Ft roll, Insulator Tubing	1	10	1

Splice Closures & Sheath Repair

Bonding & Grounding Hardware - Reducing Splices

Copper Reducing Splices

They are designed for Equipment Installations where H-Taps are normally used to step down the cable size. When space is at a premium and standard H-Tap splicing is too cumbersome, the Belden reducing splices can be the right choice. Splices are available for a range of cables from 750 Flex to #6 Code.

Features:
- Compact design provides low profile installation – requires less "real estate" in a central office
- Reducing Splice and two sizes of the appropriate UL listed clear heat-shrink are packaged in an individual bag with instructions (No H-Tap cover is required)
- One-person installation. Each side is crimped separately
- Utilizes standard lug crimping dies. More standard tooling options can be utilized
- Lower tonnage tools can now install even the largest Reducing Splice
- Hand tools can be used on splices for 500 Code/350 Flex and smaller
- Inspection holes verify cable is fully inserted into each barrel
- UL listed and RUS/RDUP listed

Part Number	Description	Color Code	Branch	Color Code
75F-75C50FH	750 Flex	Yellow	750 Code/500 Flex	Black
75F-50C35FH	750 Flex	Yellow	500 Code/350 Flex	Brown
75F-25C4/0FH	750 Flex	Yellow	250 Code/4/0 Flex	Yellow
75C50F-75C50FH	750 Code/500 Flex	Black	750 Code/500 Flex	Black
75C50F-50C35FH	750 Code/500 Flex	Black	500 Code/350 Flex	Brown
75C50F-25C4/0FH	750 Code/500 Flex	Black	250 Code/4/0 Flex	Yellow
75C50F-4/0CH	750 Code/500 Flex	Black	4/0 Code	Purple
TBRS4/0C-2CHS	4/0 Code	Purple	2 Code	Brown
TBRS4/0C-6CHS	4/0 Code	Purple	6 Code	Blue
TBRS20C10F2CHS	2/0 Code/1/0 Flex	Black	2 Code	Brown
TBRS20C10F6CHS	2/0 Code/1/0 Flex	Black	6 Code	Blue
TBRS1/0C1F-2CHS	1/0 Code/1 Flex	Pink	2 Code	Brown
TBRS1/0C1F-6CHS	1/0 Code/1 Flex	Pink	6 Code	Blue
TBRS2C-6CHS	2 Code	Brown	6 Code	Blue

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Splice Closures & Sheath Repair

Tap Covers

Soft Shell H-Tap/C-Tap Clear Cover

Designed to protect and insulate copper H-taps, PPC Color-Keyed® clear H-tap covers can be used in telephone company central offices, remote terminals, CEVs and in wireless companies cellular huts.

The space-efficient design of these covers includes a positive latching mechanism and a built-in location for an identification label. Each cover is supplied with 2 Safe-Ty® cable ties.

PPC clear H-tap covers are available for a range of H-taps that fit cables from 750 Flex to 10 AWG.

Design Features:
- Crystal clear high impact, flame retardant polycarbonate-(UL94 V-0 rating)
- Clear covers allow for post-cover installation inspection of embossed die code and H-tap/cable preparation.
- Positive latching design prevents opening after the cover is installed
- Cover shape and "fingers" eliminate the need to tape the copper H-tap as the cover cannot slide over the H-tap nor be easily opened.
- Identification labels can be located in the internal pocket and clearly seen through the cover.
- UL listed and CSA certified

Part Number	Description	Dim A (in.)	Dim B (in.)	Dim C (in.)	Pack	Min Order QTY
HTCV2CLRFR	Soft Shell H-Tap/C-tap Clear Cover	3 3/8"	2"	1 9/16"	5	1
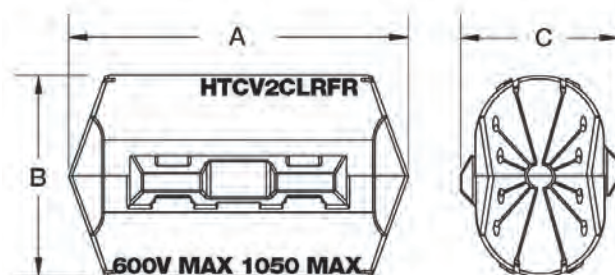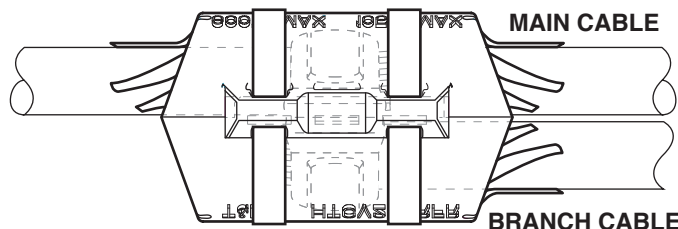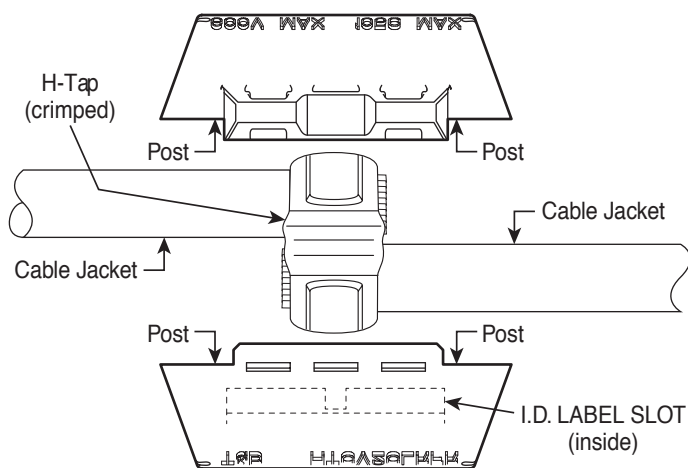
Splicing Tools & Connectors

Index B

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Splicing Tools & Connectors
710 Cutter Presser System

Firm Module Holding
Twin spring loaded L-clips and two retaining pins seat and lock index strips or module supports firmly in place. This prevents movement while dressing pairs into strips and prevents unseating of modules during the pressing and cutting operation.

Convenient Conductor Group Holder
The Conductor Group Holder conveniently holds the conductor group being spliced in it's two insulated troughs with rubber cords. It can be conveniently mounted to the Cutter Presser using the two threaded holes on the back of the tool. The holder assures adequate and uniform conductor slack in straight splices and a positive hold on the binder group providing uniform, neat splices. (C7334)

Jam Free Operation
The simple internal engaging mechanism consists of three casehardened, move parts. The dual cam action provides a smooth vertical stroke, which insures a clean cut of all conductors and jam free operation.

Safety Blade Guard
A spring-loaded Safety Blade Guard is provided to protect the operator from accidental cuts by the Cutter Presser knife blade. When the T-bar is dropped forward, the technician from the sharp edges of the segmented knife blade. It automatically swings out of the way as the T-bar is engaged.

Easy Receptacle Test Access
The 710 Cutter Presser is equipped with a Splicer's Test Set Access Receptacle. Internal wiring, from contacts in the T-bar head connect to the test access receptacle, providing test access during module assembly. A protective cover with chain is provided to keep the receptacle free from dirt or damage when not in use.

Effortless, Safe Operation
When released from the vertical position, a counterbalance spring allows the T-bar to drop gently to the open position. This feature protects the Cutter Presser body, and prevents shock to the T-bar. The counterbalance effect, created by the T-bar tension spring, ensures effortless movement of the T-bar and weightless, strain-free operation.

Splicing Tools & Connectors

710 Cutter Presser System

710 Cutter Presser Tool

Using the appropriate 710 module, this tool provides in-line, bridge and half-tap splicing. It is completely mechanical (no hydraulics) dependable and easy to use. The 710 is available with and without a compact carrying case and maintenance kit- see ordering table for details.

Design Features:

- No jamming
- Firm Module holding
- Weightless and safe operation
- Convenient conductor group holder
- Safely blade guard
- Easy test set access

Part Number	Description	C7450 Test Access Receptacle	C7334 Conductor Group Holder	C7344 Maintenance Kit	C7393 Hand Book	C7335 Bridge Support	C7336 BSM	Min Order QTY
C7342	710 Cutter Presser Tool	Y			Y	Y	Y	1
C7340	710 Complete Kit	Y	Y	Y	Y	*	*	1
C7311	710 Kit			Y	Y	*	*	1
C7349	710 Cutter Presser Tool for Heavy Duty 19 AWG Applications	Y			Y	Y	Y	1

*Included within C7344 Maintenance Kit

Basic Maintenance Kit

Pre-packed kit includes basic items, needed to perform routine maintenance on the 710 Cutter Presser tool. All items in the kit may be ordered separately. Kit contains one of each of the items listed. For more information, please reference the appropriate catalog entry in the section using the catalog numbers listed in the table below.

Kit Contents

Description	Part Number	Kit QTY	Description	Part Number	Kit QTY
Knife Blade Shim	C7331	1	1/8" Pin Punch	C7261	1
Error Tester	C7332	1	Support Rod-short	C7380	1
Bridge Support Module	C7335	1	Dust Brush	C7381	1
BSM (Half-Tap) Module	C7336	1	Screws & Washers for Blade Replacement	C7382	8
			Lubricating Grease	C7383	1

Part Number	Description	Min Order QTY
C7344	Basic Maintenance Kit – 710 Cutter Presser	1

Splicing Tools & Connectors
710 Cutter Presser System

Laminated Shim

Laminated Shim for alignment of segmented blade

Part Number	Description	Min Order QTY
C7331	Laminated Shim	5

Error Tester

Color-coded plastic comb like strip designed to assist the technician in visually checking for wire-dressing errors such as: two conductors in one slot, vacant slots, tip and ring reversal, color-coded sequence errors and other potential faults.

Part Number	Description	Min Order QTY
C7332	Error Tester	5

Bridge Support Module

Used to the bridge module while pre-terminating cable pairs.

Part Number	Description	Min Order QTY
C7335	Bridge Support Module	5

BSM (Half-Tap) Support Module

Sometimes referred to as a Dummy half-tap index strip. This dummy strip is placed below and securely holds a half-tap or splicing module during the pre-termination of cable pairs.

Part Number	Description	Min Order QTY
C7336	BSM Support Module	5

Splicing Tools & Connectors

710 Cutter Presser System

Operational Handbook
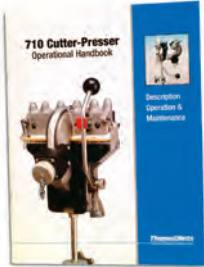
Provides operating and basic maintenance instructions plus photos and part numbers for 710 Cutter Presser parts and Accessories. Each tool is supplied with a copy of this handbook.

Part Number	Description	Pack QTY	Min Order QTY
C7393	710 Cutter Presser Operational Handbook	10	1

Conductor Group Holder

The conductor group holder is conveniently mounted to the Cutter Presser with two threaded holes in the back face of the toll. It is designed to hold conductor groups in two insulated troughs with rubber cords for easy access to pairs. Use of the holder assures adequate, uniform conductor slack in straight splices and provides a positive hold on the binder group providing uniform, neat splices.

Part Number	Description	Min Order QTY
C7334	Conductor Group Holder	1

Blade Replacement

All items needed for field replacement of a Cutter Presser blade. Kit includes one segmented blade with laminated shim and instruction card.

Part Number	Description	Min Order QTY
C7323	Blade Replacement Kit	1

Splicing Tools & Connectors
710 Cutter Presser System - Tag-It

Five Blade Replacement Kit

Kit includes five segmented blades, five laminated shims, ten marked index strips and an instruction card.

Part Number	Description	Min Order QTY
C7326	Five Blade Replacement Kit	1

Tag-it Module Holder

Used to hold and position up to four index strips for insertion of pairs as they are identified.

- Eliminates the need for tagging boards, as the tagged pairs are placed directly into the 710 index strip Firm Module holding
- Can be used to position and hold index strips during splicing operation Convenient conductor group holder
- The Tag-it block consists of a base with 45o angle bracket and a 12" support rod with nut Easy test set access
- Base has 4 rows to hold up to four, 710 index strips

Set-Up:

The support rod is attached to the block by inserting the threaded rod through the 45o angled mounting bracket and secured with the nut supplied. After the rod is attached, the Tag-it may be mounted to the splicer's box or any of the 710 Cutter Presser support hardware.

Tagging:

Up to four index strips are placed between the numbered Tag-it guideposts (1-25, 26-50, 51-75 and 76-100). As each pair is identified, the pair is placed in the appropriate row and pushed into the index strip next to the appropriate pair number. The conductor ends are dressed down the row and under the Tag-it base keeping the working area clear. This allows tagging of up to four, 25 pair groups which is especially useful on pulp/paper cable. When all 25 pairs have been placed in the index strip or module, the completed assembly is removed and placed into a 710 Cutter Presser assembly trough for pressing and cutting. As much as 30 minutes per 100 pair can be saved when tagging pulp cable by working on all group 25 pair groups simultaneously.

Half-Tapping:

Index strips are placed in the holders of the Tag-it block. Cable pairs are identified and placed in the appropriate index strip slots. BSM's from the mating cables are placed over the index strips. The index strip is removed from the Tag-it block and the two 710 module pieces are then pressed together with a hand tool (Jaws 2) to complete the half-tap splice.

Part Number	Description	Min Order QTY
C7390	Tag-it 100 Pair Holder for 710 Index Strips or Modules	1

www.ppc-online.com   Customer Support: **800.800.6652**

Splicing Tools & Connectors

710 Cutter Presser System - Accessories

710 Cutter Presser Accessories

C763 L-Clip Assembly

C7362 T-Bar Handle

Parts

Description	Part Number	Description	Part Number
L-Clip Assembly	C7363	Cutter Presser Operational Handbook	C7393
Safety Bar and Hardware	C7366	Handle Shear Pin	C7368
Color Code Strip	C7369	1/8" Pin Punch	C7261
Support Rod-Long	C7379	Hex Wrench Set	C7337
Cap and Chain	C7367	Cleaning Brush	C7281
T-Bar Locking Knob	C7371	Screws & washers for Blade Replacement	C7382
T-Bar Handle	C7362	Segmented Blade	C7330
Lubricating Grease	C7383	Laminated Knife Blade Shim	C7331
Bridge Support Module	C7335	Error Tester	C7332
BSM (Half-Tap) Support Module	C7336	Conductor Group Holder	C7334

C7367 Cap and Chain

C7383 Lubricating Grease

C7281 Cleaning Brush

Tripod Mounting Stand

C7375 Tripod Mounting Srand

Adjustable Mounting stand with telescoping tripod legs and center post for maximum versatility.

- Horizontal side bar permits mounting up to 14" in any direction from the vertical post
- The stand's maneuverable configuration makes it particularly convenient for underground splicing operations
- Useable height adjusts from 13.75" to 5 feet
- Legs are adjustable to a 45 degree angle or parallel to the ground
- Optional durable storage bag with carry handle is available

Part Number	Description	Min Order QTY
C7375	Tripod Mounting Stand	1
C7376	Bag for Tripod Mounting Stand	1

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Splicing Tools & Connectors
710 Cutter Presser System - Mounting Clamps

Aerial Mounting Clamp

Specially contoured metal clamp to mount the Cutter Presser securely and conveniently on an aerial strand.

- Simple, direct to strand clamping action permits fast, easy setup and movement along the strand
- Slotted, tapered attachment allows the Cutter Presser to be moved both toward and away from the splice

Part Number	Description	Min Order QTY
C7372	Aerial Mounting Clamp	1

Universal Mounting Bracket Kit

Designed to mount the 710 Cutter Presser to a splicer's box, pedestal or manhole rack.

- Compact, easy-to-use design supports almost any configuration
- Lightweight aluminum construction for durability without excess weight
- Each item in the kit may be ordered separately

C7300 Complete Kit

C7301 Base

C7302 Tool Clamp

C7305 Vise Clamp

C7376 Vinyl Bag for Components

C7306 Swivel Bar & Knob

C7307 tube/Tool Clamp

Kit Contents

Description	Part Number	Kit QTY	Description	Part Number	Kit QTY
710A1 Base	C7301	1	710A6 Swivel Bar & Knob	C7306	1
710A2 Tool Clamp	C7302	1	710A7A Tube/Tool Clamp	C7307	1
710A5 Vise Clamp	C7305	1			

Part Number	Description	Min Order QTY
C7300	710A Universal Mounting Bracket Complete Kit in Metal Case	1
C7376	Vinyl Bag for Mounting Bracket Kit Components	1

Splicing Tools & Connectors

710 Cutter Presser System -Jaws II Hand Module Presser

Jaws II Hand Module Presser

C7388

A convenient hand tool with removable, replaceable jaws for joining of pre-connectorized components of the 710 module system. Two sets of jaws are available for joining either BSM/WHIS, Male/Female or Bridge/Half-Tap modules. The spring-loaded jaws are parallel and move together during the joining operation to provide a positive, trouble-free pressed connection.

- Grooved jaws capture the module and close in a straight, vertical motion so that no misalignment or flexing of the module is possible during assembly
- Geared jaw drive provides a 10:1 mechanical advantage that ensures a secure, effortless connection

Tool Options

- Pre-fitted for connecting BSM/WHIS modules
- Pre-fitted for connecting Bridge/Half-Tap modules

Part Number	Description	Min Order QTY
C7388	Replacement lower jaws for conversion of C7387 tool to a C7396 tool for pressing Bridge/half-tap modules Hex wrench included	1

PPC
Innovate. Connect.
A **BELDEN** BRAND

Splicing Tools & Connectors
709 Quick Snap Connectors

709 Quick Snap Connectors

709SC
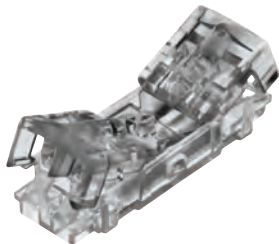
709SD
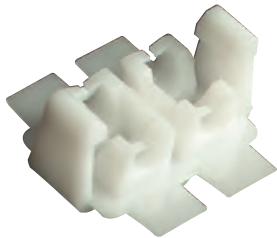
709CD

A single 709 Quick Snap Connector Provides Effective Pair-at-a-time Splicing.
The single pair connector design reduces the number of connectors and the size of the splice bundle thus saving time, sleeve materials and encapsulant.

Installation

Both conductors are placed into one end of the 709 Quick Snap Connector, which is then pressed together using pliers. The other half of the pair being spliced is placed in the other end of the 709 Connector, which is then pressed closed to complete the splice.

Design Features:

- Accommodates 22-26 gauge copper conductors in straight splice and half-tap configurations
- Pair-per-connector design produces smaller, neater splice bundles
- Available with a filled, moisture resistant compound the provides protection from the elements in the Outside Plant environment
- Unfilled version provides flame retardant protection for building and cable entrance applications
- Reliability of the connection can be verified visually or tested with 6A test clips
- Minimal installation effort required
- UL listed
- RUS/RDUP Listed

PLIERS **Fig. 1**

.25"
(.64 cm)

.92"
(2.34 cm)

.32"
(.81 cm)
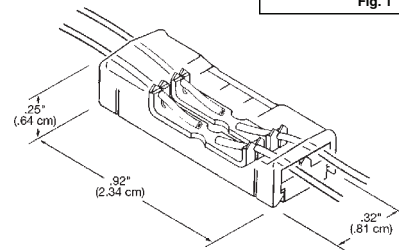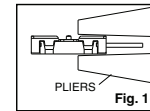
Applications:

- Straight splicing of small pair count cables where larger modules are inconvenient
- For bench splice applications or half tapping by joining terminal blocks to distribution cable pairs
- Re-splicing or piecing out when making repairs. No slack is required and the completed wire joint does not take significant space in a splice
- Dead ending cable pairs at cable ends or taper points

Part Number	Description	QTY per Carton	Min Order QTY
709SC	Filled 709 Connector (Pink)	200	Carton
709SD	Dry, Flame Retardant 709 Connector (Clear)	200	Carton
709CD	Bridging/Half-Tap adapter for 709 connector	200	Carton

B

Splicing Tools & Connectors
Hand Tools

Splicer's Snips

Durable, hand forged chrome plated snips designed for tough duty and built to last. Outer edge of blade includes convenient 19 & 22 gauge wire stripping notches.

Part Number	Description	STD Pack
C4436	Splicer's Snips	1

Splicer's Knife

Strong sheath knife with hardened steel blade. Cuts easily through sheath and shield. Long resilient, non-slip handle facilitates use and is an important safety factor.

Part Number	Description	STD Pack
C4438	Splicer's Knife	1

Splicer's Pouch

Rugged long-life leather pouch with dual pockets designed to hold knife and snips. Equipped with convenient belt loop.

Part Number	Description	STD Pack
C4439	Splicer's Pouch	1

Splicer's Kits

Part Number	Description	STD Pack
C4437	3 piece kit- Pouch, Knife and Snips	1
C4440	2 piece kit- Pouch and Knife only	1

Splicing Tools & Connectors
Hand Tools

T-Shears

A hardened steel tool for cutting the sheath and shield of polyethylene jacketed cable in preparation for the installation of shield bonding devices.

- Features heavy-duty spring loaded handles with safety lock
- Slides neatly under sheath and shield without damaging underlying conductors
- Excellent also for cutting through service wire and small cable

Part Number	Description	STD Pack
C4432	T-shears	1

Bullet Bond Punch Tool

Use to punch bond stud holes in Alpeth, Stalpeth and lead cable sheath and shield.

- Designed to punch a perfect 0.235 inch hole which provides ideal clearance for a standard 3/16 inch stud
- Nickel plated to prevent corrosion
- Hardened steel punch die for a smooth cut and long life

Part Number	Description	STD Pack
C4039	Bullet Bond Punch Tool	1

C Terminal Wrench

A double ended hexagonal socket wrench designed to fit most common nut sizes of terminals and other plant hardware 3/8 inch and 7/16 inch. High quality steel and plating afford maximum tool protection. The wrench has a large grooved plastic handle that permits a strong and sure grip and a hollow shaft that accommodates extra-long studs.

Part Number	Description	STD Pack
C4430	C Terminal Wrench – 3/8"-7/16"	1

Universal Terminal Wrench

Part Number	Description	STD Pack
CNW6	Universal 3/8" -7/16" Terminal Wrench	1

Cable Ready

Tools - Recommended tools for CableReady Installations

Sheet Metal Shear

Cuts Straight run molding to desired length.

Part Number	Description	STD Pack
X HC1251	Sheet Metal Shear	1

Super Snip Shear

Cuts specialty corners or notches in straight run molding and to cut straight run length.

Part Number	Description	STD Pack
X HC1451	Super Snip Shear	1

Anchor Driver

Drives nail-in anchors into the 1/2" clip.

Part Number	Description	STD Pack
X CR-7TD	Anchor Driver	1

1/2" Entry Key

Allows user to re-enter 1/2" molding after the molding has been installed.

Part Number	Description	STD Pack
X EK050HD	1/2" Entry Key	1

Entry Key

Allows user to re-enter 3/4", 1" and 2" molding after the molding has been installed.

Part Number	Description	STD Pack
X EK100HD	Entry Key	1

Table of Contents

The Diamond® Difference™

Does Your Hardware Pass the Test of Time?

Diamond® Products Stand the Test of Time.

The unique, proprietary approach that we have to mechanical galvanizing, and the standards that we insist on for our raw materials, ensure that Diamond parts can withstand corrosive environments for decades, a factor that is important today since replacement costs are so high. The photographs below clearly demonstrate the Diamond Difference. Even after 672 hours under the same conditions, Diamond mechanically galvanized parts keep their integrity.

Diamond® Advantage

We mechanically galvanize to ensure that Diamond products will stand the test of time.

- Mechanically galvanized parts have a superior resistance to corrosion.
- It is the most effective method for small parts.
- The process does not clog the threads of nuts and bolts, thus parts can be put together quickly and easily.
- Threaded parts do not 'gall' producing more accurate torque-tension relationships.
- Eliminates the problem of Hydrogen Embrittlement. Heat-treated parts do not detemper or weaken since the galvanizing process takes place at room temperature.

The Diamond® Difference™

We do not depend on the process of mechanical galvanizing alone to provide us with products that will stand the test of time.

- Raw materials are carefully selected and must meet or exceed the standards we have established over the years.
- How these materials are combined and prepared is unique to the Belden Diamond method of manufacture.
- Our emphasis is on quality control and process management.
- Every stage of the manufacturing and galvanizing process is controlled and monitored.
- To achieve the Diamond Difference no corners can be cut and no process steps excluded.

What is Mechanical Galvanizing?

It is a plating process whereby zinc is mechanically deposited on properly prepared steel parts. A uniform coating thickness of zinc is applied by placing the parts in a rotating barrel with the correct recipe of water, glass beads and various chemicals. The impact of the glass beads on the steel parts deposits a layer of zinc onto the metal surfaces. Subsequent layers build up until the required thickness is achieved. The zinc deposited onto the metal surface may be considered a sacrificial coating. Over time this coating slowly reacts with the environment (moisture and air) and becomes mottled producing 'white rust'. The appearance of white rust means that the coating is being sacrificed to protect the underlying steel part.
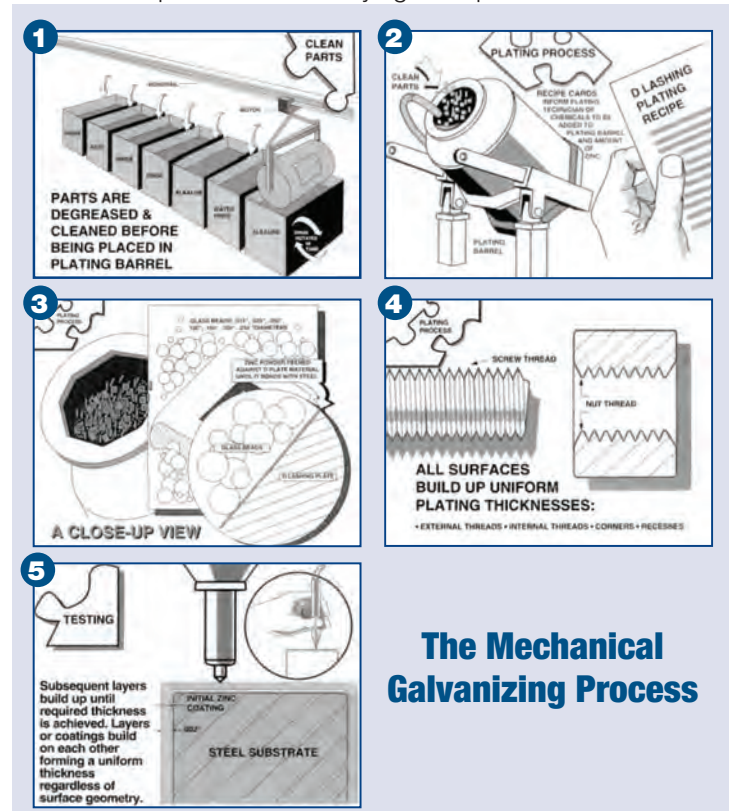
The Mechanical Galvanizing Process

C

Salt Spray Test Results

5% salt solution (as used in ASTM B117) is sprayed upon parts in a closed chamber until the first indication of red rust appears.

Diamond **Competitor**

48 Hours
First indication of Red Rust on competitor product.

336 Hours
Bell Spec Standard.

672 Hours
First Indication of Red Rust on Diamond Product.

Parts tested to ASTM B117 under laboratory conditions within Belden certified testing facility.
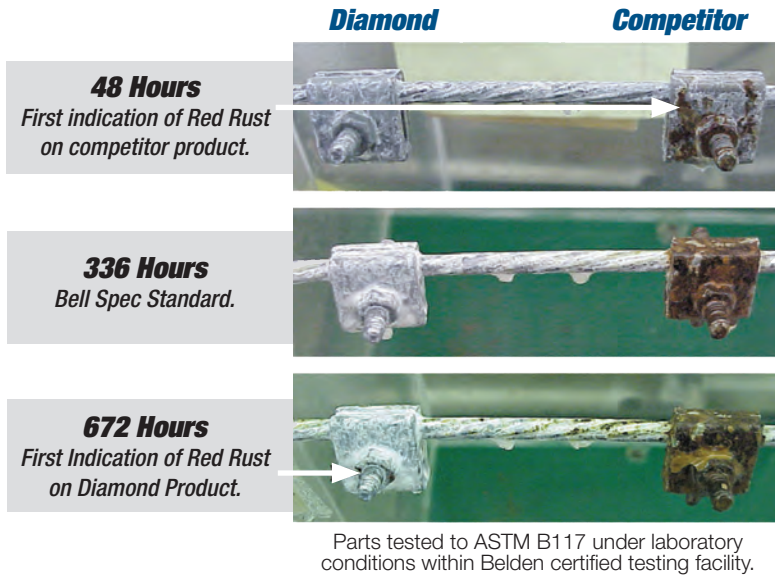
How Service Life in Hours* Equates to Service Life in Years in Different Environments

Environment	48 Hours	336 Hours	672 Hours	850 Hours
Rural	4.2 Years	30 Years	60 Years	75 Years
Suburban	2.2 Years	16 Years	32 Years	40 Years
Moderate Industrial	1.5 Years	11 Years	22 Years	28 Years
Heavy Industrial	11 Months	6.5 Years	13 Years	17 Years

*Under Test Conditions
Information Source: Iron Age Magazine (Zinc Institute) Oct. 1980 Issue.

Hardware Service Life in Various Environments

Meeting Your Specifications

We ensure consistent performance and quality by adhering to the following industry standards and specifications used within the Telecommunications Industry.

Bell Core The Bell Operating Companies (RBOC's) borne of the AT&T divestiture were the first organizations to recognize the need for and to establish quality standards and specifications for pole line hardware in the USA. Bell Communications Research Inc. or 'Bellcore' specifications are acknowledged standards for pole line, drop and bonding/grounding hardware.

SCTE Society of Cable Telecommunications Engineers (SCTE) is the professional association for the Cable Television industry. SCTE provides training, certification and standards to the industry and is accredited by ANSI as the industry's body of record.

ANSI American National Standards Institute (ANSI) administers and coordinates U.S. standardization efforts through facilitation of consensus standards and conforming assessment systems. ANSI is the official United States representative to ISO and other international accreditation and standardization bodies.

ISO The International Organization for Standardization (ISO) reviews, inspects and approves manufacturer facilities and methods then awards quality certification. Facilities must continue to meet the certification requirements to maintain their ISO quality status. Belden's plants are registered to ISO 9001-2000.

ASTM The American Standards for Testing and Materials (ASTM) organization in conjunction with manufacturers and industry associations has established internationally recognized quality standards. The organization specifies materials, procedures and methods to assure conformance to its standards.

UL Underwriter's Laboratories is an international safety standards organization, which has established testing criteria for electrical products to assure their safety for the end user.

CSA The Canadian Standards Association (CSA) has established standards and test criteria to assure satisfactory performance and function of products destined for use in Canada.

Diamond® Hardware
Broadband Drop System Overview

OPTIONAL MIDSPAN APPLICATION

SC03E

SC10-1

TAP BRACKET
29-19941
29-19943
29-19944
SC23PV-2
SC23PV-4

CABLE TIES
SC053-1
DT-05-40-0-M

SPAN CLAMPS
27-00185
27-00860
27-00865
27-00869

P HOOK
31-00809
31-10809

DROP WIRE CLAMP
SC02MFA-SS

SNAP-N-SEAL® "F" MALE CONNECTORS

FEED THRU BUSHING
34-08052, 53, 57, 58, 59, 60

CABLE CLIPS
SC16-XX, SC18-XX, SC20-XX, SC21-XX, SC22-XX, 24-880XX

GROUNDING BLOCKS
SC12N-81, SC12N81-1G, SC12KF81-1, SC12-SS, SC12DNS-81, SC12DNS81-25, SC12DN-81, SC12D2-SS

SEE RECOMMENDED BONDING AND GROUNDING METHODS

NOTE:
USE #14 AWG MINIMUM GROUND WIRE. KEEP GROUND WIRE AS SHORT AS POSSIBLE (20' MAX.) (NEC 830.40)

WALL PLATE
WP23752PW
WP23752PB

Please NOTE: These pictures depict a typical representation of only Belden products that may be used for bonding/grounding, as well as drop installation.

Diamond® Hardware

Recommended CATV Bonding and Grounding Methods

MOBILE HOME APPLICATIONS

SC51CF-81   I-BEAM   SC07GG

METER BOX GROUNDING OPTIONS

SC51-1   SC51-CF

40-20001

Bonding and Grounding Methods in Order as Recommended by NEC and SCTE:

1. Power ground system:
   a. Power ground service wire
   b. Power service ground rod
   c. External connector on power service meter box
   d. Power service entrance conduit (not conduit outlets)
2. Building steel that is bonded to power ground.
3. Metallic water pipe that is bonded to power ground.
   (water pipes are to be avoided due to the increase in plastic pipes)
4. Additional ground rod (see notes).

GROUND BLOCKS
SC12N-81, SC12N81-1G, SC12KF81-1, SC12-SS, SC12DNS-81, SC12DNS81-25, SC12DN-81, SC12D2-SS

1D   SC13BZ-1, 2 or 3

SC13B-1, 2 or 3

1C

3

23-80002

DO NOT MOUNT ON EXTERNAL FAUCET

GROUND ROD CLAMPS
G3DS, G4DS, G5DS, JAB12HDS, JAB34HDS, JAB58HDS

DG2, 4, 6 or 8   SC42-1   4

1B
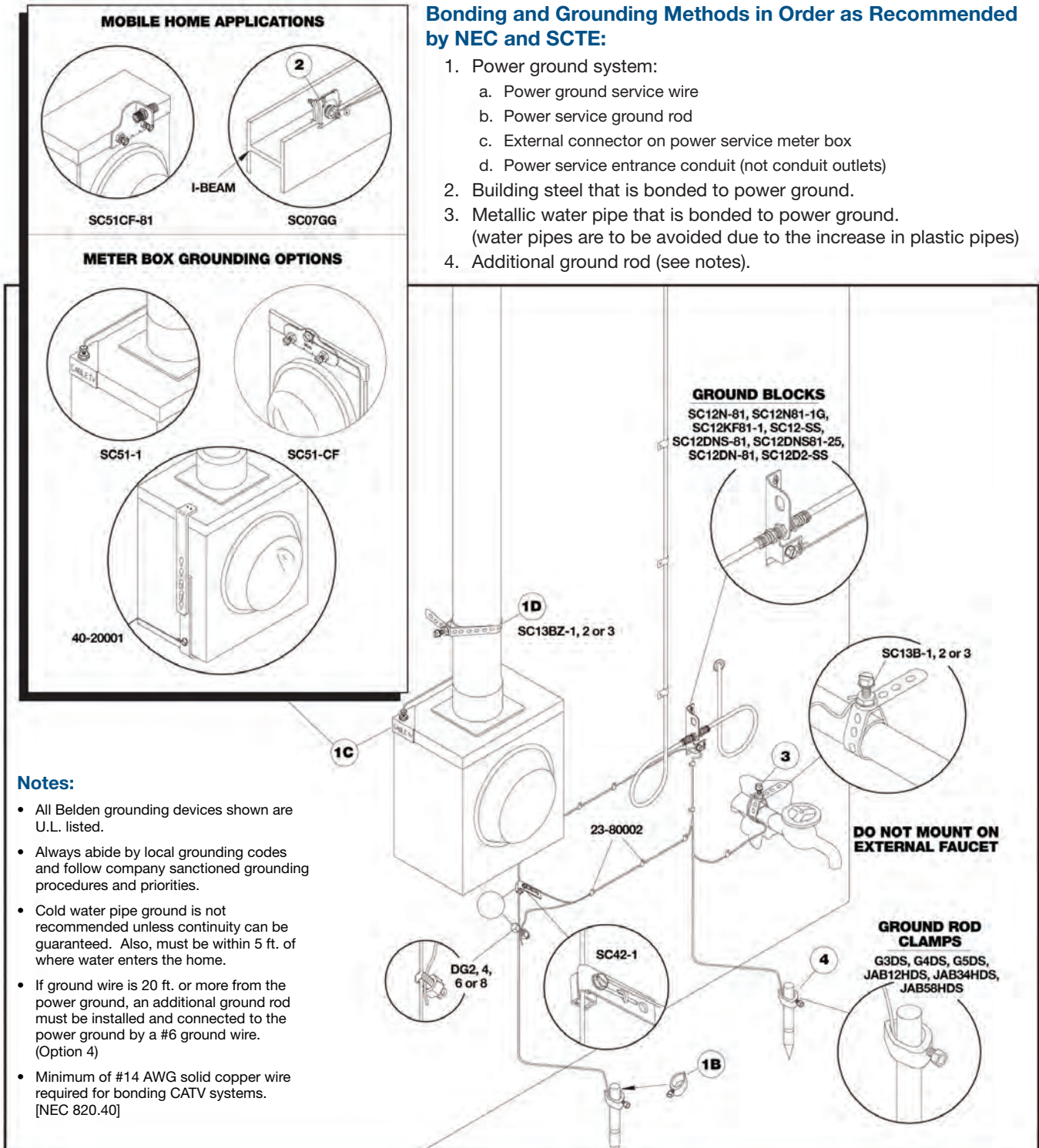
Notes:

- All Belden grounding devices shown are U.L. listed.
- Always abide by local grounding codes and follow company sanctioned grounding procedures and priorities.
- Cold water pipe ground is not recommended unless continuity can be guaranteed. Also, must be within 5 ft. of where water enters the home.
- If ground wire is 20 ft. or more from the power ground, an additional ground rod must be installed and connected to the power ground by a #6 ground wire. (Option 4)
- Minimum of #14 AWG solid copper wire required for bonding CATV systems. [NEC 820.40]

Diamond® Drop Hardware

Drop Wire Clamps for CATV and Telephone Cable

Universal Messenger Cable Drop Wire Clamp

- Permits cable to "float" free, fully protected from strain and chafing.
- Drop clamp for the suspension of a messengered drop cable between the pole, mid span and house.
- For use with RG59, RG6 and RG11 cables
- Stainless steel bail wire and aluminum body.

Part Number	Description	Inner Pack	Outer Pack
SC02MFA-SS	Universal Messenger Drop Wire Clamp	--	125

Installation:

1. Begin separation of the messenger wire from the cable using the end-edge of the SC02MFA-SS Drop Clamp.
Note: Never use a knife or other sharp tool to separate messenger and cable.

2. Fit the cable and messenger wire into the SCO2MFA-SS Drop Clamp as shown, so that the Clamp Bail is between the two.

3. Grasp the separated end of the messenger and cable with one hand and grip the Clamp Body, as shown, with your other hand. Then, pull the SC02MFA-SS back, in a straight line, separating the length of messenger wire needed to make the wrap; about 15 to 18-inches.

4. Pull the messenger wire around the center of the bearing surface as shown, toward the rear or drop-side of the Clamp.
Note: If at the house end of the drop, this will be done while tensioning or "sagging" the drop.

5. Pass the messenger wire through the "L" Slots and begin the wrap about the SC02MFA-SS body, as shown.

6. Continue the messenger wire wrap for two full turns.

7. Pass the messenger wire through the "L" Slot, as shown, to the drop-side of the SC02MFA-SS and cut the excess wire away, or ground it to the strand.

Note: For drop cable with larger messenger wire, one wrap is sufficient. Wrap the end of the wire around the end of the SC02MFA-SS and bring it back up the "L" Slots, then cut away the excess, or ground it to the strand.
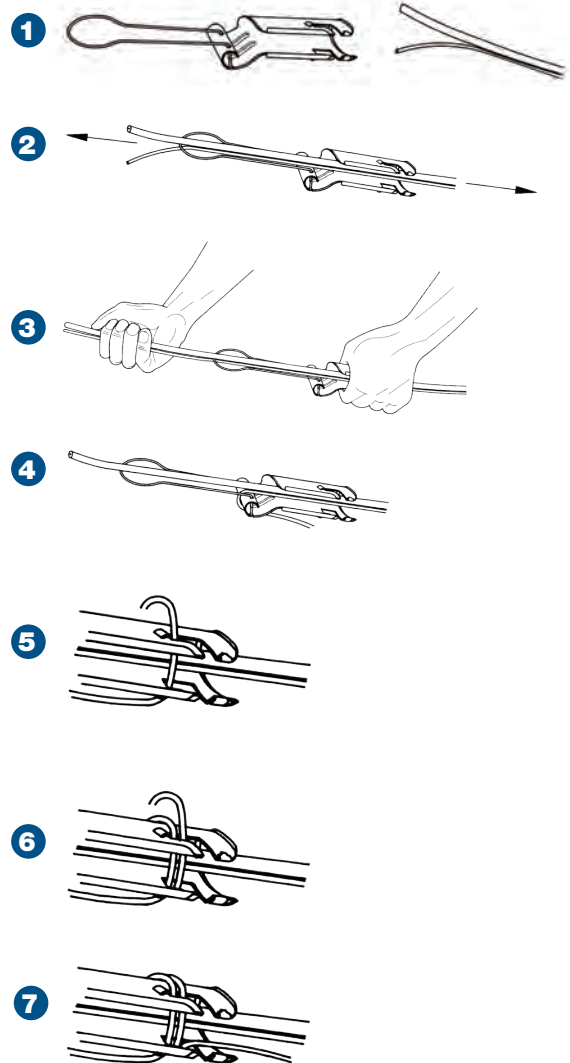
Diamond® Drop Hardware
Drop Wire Clamps for CATV and Telephone Cable

"B" Drop Wire Clamp

- Used to support both ends of telephone drop, at strand and building.
- Suitable for 1-2 pair .200" max. height and .410' max. width.
- 6 pair version: .300" max. height and .500" max. width.
- Stainless steel bail wire on all versions.
- Special Packages available. Please check with your PPC/Belden Representative.

Part Number	Description	Material	Pair	Shim Type	Inner Pack	Outer Pack
23-44441	"B" Drop Wire Clamp	Aluminum	1-2	Serrated	--	500
23-44444	"B" Drop Wire Clamp (Bell Packaging)	Aluminum	1-2	Serrated	25	500
23-44445	"B" Drop Wire Clamp	Aluminum	1-2	Serrated	2	250
23-82350	"B" Drop Wire Clamp	Aluminum	6	Dimpled	1	75
23-82351	"B" Drop Wire Clamp	Aluminum	6	Dimpled	25	150
23-88881	"B" Drop Wire Clamp (Bulk Packaging)	Stainless Steel	1-2	Serrated	25	500
23-88885	"B" Drop Wire Clamp	Stainless Steel	1-2	Serrated	2	250

Installation:

1. Lay cable in shell.

2. Place shim on top of cable with raised embossings against cable.

3. Insert wedge in shell (on top of shim) and pull to engage. (Small end of wedge should be initially engaged in track of large end of shell).

4. Place bail wire on "B" drop wire hook (ram's horn)with wedge loose. Pull drop wire through clamp until proper sidewalk/alley clearance is achieved.

5. Grasp clamp (bail wire still on ram's horn) and pull tightly to secure.
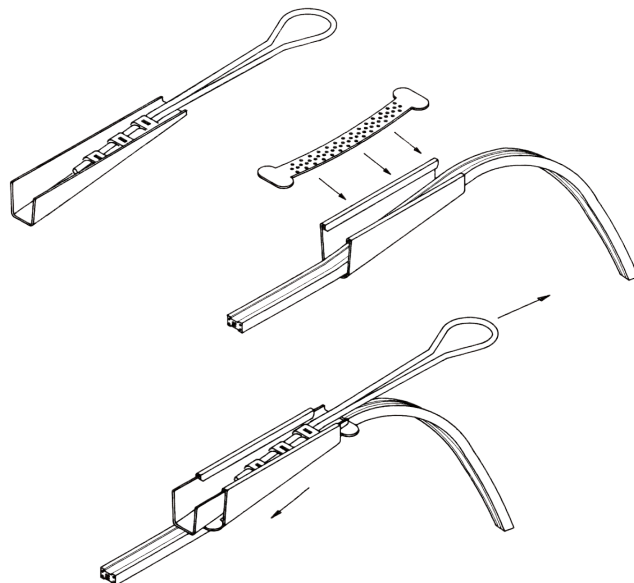
Diamond® Drop Hardware
Span Clamps

"Q" Span Clamp

- Provides drop wire take offs at mid-span.
- Steel components mechanically galvanized ASTM B695.

Part Number	Description	Material	Clamp Range	PigTail Diameter	Inner Pack	Outer Pack
27-00185	"Q" Span Clamp	Steel	1/4"-7/16"	1/4"	--	100
2700185-LA	"Q" Span Clamp for P3 Cable w/Messenger	Plates - Aluminum Pigtail - Steel	<1/4"	1/4"	--	100

"O" Span Clamp

- Provides drop wire take offs at mid-span.
- Steel components mechanically galvanized ASTM B695.

Part Number	Description	Material	Clamp Range	PigTail Diameter	Inner Pack	Outer Pack
27-00860	"O" Span Clamp	Plates - Aluminum Pigtail - Steel	1/4"-3/8"	3/8"	--	50

"E" Span Clamp
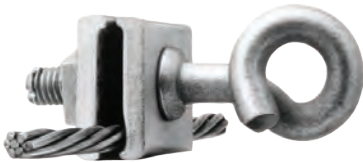
- Provides drop wire take offs at mid-span.
- Steel components mechanically galvanized ASTM B695.

Part Number	Description	Material	Clamp Range	PigTail Diameter	Inner Pack	Outer Pack
27-00865	"E" Span Clamp	Steel	1/4"-7/16"	3/8"	5	100

"C" Span Clamp

- Provides drop wire take offs at mid-span.
- Steel components mechanically galvanized ASTM B695.

Part Number	Description	Material	Clamp Range	PigTail Diameter	Inner Pack	Outer Pack
27-00869	"C" Span Clamp	Plates - Aluminum Hook - Steel	1/4"-3/8"	3/8"	--	50

Figure 8 Span Clamp

- Provides drop wire take offs at mid-span.
- Steel components mechanically galvanized ASTM B695.

Part Number	Description	Material	Clamp Range	PigTail Diameter	Inner Pack	Outer Pack
28-09800	Fig 8 (.109-.134")	Plates - Aluminum Hook - Steel	1/4"-7/16"	3/8"	--	50
28-09850	Fig 8 (.148-.250")	Plates - Aluminum Hook - Steel	1/4"-7/16"	3/8"	--	25

Econospan Span Clamp

- Multi directional clamp for messengered and non-messengered drop cable used for dead-end or mid-span application.
- Mechanically galvanized ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
SC03E	Clamp will Accept 1/4" (6.6MM) Steel Strand	--	100

Multi-Directional Span Clamp

- Multi-directional span clamp used for drop cables at mid-span location.
- Unique claw design locks in between steel strand lays to prevent rotation.
- Mechanically galvanized ASTM B695.

Part Number	Description	Hook Load Capacity	Inner Pack	Outer Pack
SC03-1	Single Pigtail Hook for 1/4" Steel Strand	400 lbs.	--	100
SC03-2	Double Pigtail Hook for 1/4" Steel Strand	400 lbs.	--	75

Figure 8 Ram's Horn Span Clamp

- Span clamp with a rams horn drop hook provides drop cable takeoffs at mid-span. Suitable for fig. 8 integrated messenger cable or steel strand.
- Mechanically galvanized ASTM B695.

Part Number	Description	Hook Load Capacity	Inner Pack	Outer Pack
SC08-1	Figure 8 Ram's Horn Span Clamp for .109" to .188" messenger wire	700 lbs.	--	100

Diamond® Drop Hardware

Clamps

One Hole Clamps

- Used to support cable, conduit or pipe.
- Mechanically galvanized steel ASTM B695.

Part Number	Description	Size	Pipe or Cable Size	Stock Size	Hole Diameter	Inner Pack	Outer Pack
24-80002	One Hole Clamp	L2	2/16"	.035" x 1/2"	7/32"	500	7,500
24-80003	One Hole Clamp	L3	3/16"	.035" x 1/2"	7/32"	500	7,500
24-80004	One Hole Clamp	L4	1/4"	.035" x 1/2"	7/32"	500	5,000
24-80005	One Hole Clamp	L5	5/16"	.035" x 1/2"	7/32"	500	5,000
24-80006	One Hole Clamp	L6	3/8"	.048" x 1/2"	7/32"	500	5,000
24-80007	One Hole Clamp	L7	7/16"	.048" x 1/2"	7/32"	300	2,400
24-80008	One Hole Clamp	L8	1/2"	.048" x 1/2"	7/32"	--	500
24-80009	One Hole Clamp	L9	9/16"	.048" x 1/2"	7/32"	--	500
24-80010	One Hole Clamp	L10	5/8"	.048" x 1/2"	7/32"	--	500
24-80011	One Hole Clamp	L11	11/16"	.062" x 5/8"	9/32"	--	500
24-80012	One Hole Clamp	L12	3/4"	.062" x 11/16"	9/32"	--	500
24-80014	One Hole Clamp	L14	7/8"	.062" x 11/16"	9/32"	--	500
24-80016	One Hole Clamp	L16	1"	.080" x 3/4"	9/32"	--	250
24-80018	One Hole Clamp	L18	1-1/8"	.080" x 3/4"	9/32"	--	250
24-80020	One Hole Clamp	L20	1-1/4"	.115" x 7/8"	9/32"	--	100

One Hole Offset Clamps

- Used to secure telephone cable runs.
- Offset provides a grip on multi-size cable.
- Mechanically galvanized steel ASTM B695.

Part Number	Description	Cable Size	Stock Size	Hole Diameter	Inner Pack	Outer Pack
23-80403	One Hole Offset Clamp	5/32" - 7/32"	.048" x 5/16"	9/64"	500	5,000
23-80405	One Hole Offset Clamp	1/4" - 5/16"	.048" x 5/16"	9/64"	500	7,500
23-80406	One Hole Offset Clamp	5/16" - 3/8"	.048" x 1/2"	7/32"	500	5,000
23-80407	One Hole Offset Clamp	3/8" - 1/2"	.048" x 1/2"	7/32"	500	5,000

Two Hole Clamps

- Used to support cable, conduit or pipe.
- Offset provides a grip on multi-size cable.
- Mechanically galvanized steel ASTM B695.

Part Number	Description	Size	Pipe or Cable Size	Stock Size	Hole Diameter	Inner Pack	Outer Pack
25-80070	Two Hole Clamp	#7	7/16"	.048" x 1/2"	13/64"	--	600
25-80100	Two Hole Clamp	#10	5/8"	.048" x 1/2"	7/32"	--	500
25-80110	Two Hole Clamp	#11	11/16"	.062" x 5/8"	9/32"	--	250
25-80120	Two Hole Clamp	#12	3/4"	.062" x 11/16"	9/32"	--	250
25-80140	Two Hole Clamp	#14	7/8"	.062" x 11/16"	9/32"	--	250
25-80160	Two Hole Clamp	#16	1"	.080" x 3/4"	9/32"	--	300
25-80180	Two Hole Clamp	#18	1-1/8"	.080" x 3/4"	9/32"	--	300
25-80200	Two Hole Clamp	#20	1-1/4"	1/8" x 7/8"	9/32"	--	100
25-80240	Two Hole Clamp	#24	1-1/2"	1/8" x 7/8"	9/32"	--	50
25-80260	Two Hole Clamp	#26	1-5/8"	1/8" x 7/8"	9/32"	--	50
25-80300	Two Hole Clamp	#30	1-7/8"	1/8" x 7/8"	9/32"	--	50
25-80360	Two Hole Clamp	#36	2-1/4"	1/8" x 1"	11/32"	--	75
25-80400	Two Hole Clamp	#40	2-1/2"	1/8" x 1"	11/32"	--	50
25-80420	Two Hole Clamp	#42	2-5/8"	1/8" x 1"	11/32"	--	50
25-80560	Two Hole Clamp	#56	3-1/2"	1/8" x 1"	11/32"	--	50

Diamond® Drop Hardware
Brackets

Drop Wire Mast Bracket

- Mechanically galvanized steel ASTM B695.
- Mast capacity 2-1/2" to 3" diameter.

Part Number	Description	Inner Pack	Outer Pack
40-00540	Drop Wire Mast Bracket	--	50

House Bracket

- Multi-dwelling drop cable bracket.
- Attach to building with drive screws or wood screws (1/4" dia.).
- Attach insulator in 7/16" dia. mounting hole.
- Mechanically galvanized steel ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
40-00200	House Bracket 1-3/4" Wide x 3-1/2" High x 3" Horizontal Leg	--	50

Corner Wall Bracket

- Corner wall bracket used to dead-end a messenger drop cable or a steel strand at the building.
- Mechanically galvanized ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
SC53-2	For Messengered Drop Cable with .051" to .072" Steel Messenger Wire	--	50

Drop Wire Hook (Ram's Horn)

- Used to attach bail wire type drop wire clamp to building.
- Mechanically galvanized ASTMB695.

Part Number	Description	Inner Pack	Outer Pack
30-01732	Ram's Horn Type Drop Wire Hook	50	600

"Omni" House Hook

- Omni house hook used to dead-end a messengered drop cable at the house.
- Retainer provides a 1" diameter wrap to messenger steel wire keeping the messenger intact for bonding at the ground block.
- Mechanically galvanized ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
SC26-1	Omni Directional Signal Retainer	--	100
SC26-1L	Omni Directional Signal Retainer - Extra Long	--	100
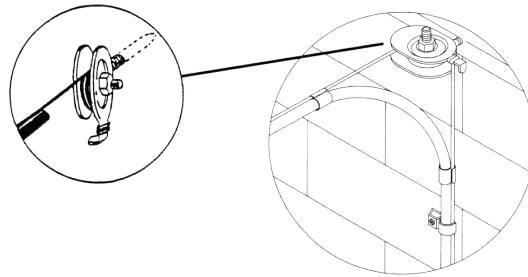
"P" House Hook

- Used to secure coaxial cable drop installations at the building.
- Accepts bailwire dropwire clamps, wire grips or messenger wraps.
- Mechanically galvanized steel ASTM B695.

Part Number	Description	Overall Length (inches)	Screw Diameter (inches)	Inner Pack	Outer Pack
31-00809	Regular House Hook	3-3/4	1/4	--	200
31-10809	Long House Hook	4-1/2	1/4	--	200

Diamond® Drop Hardware
Hooks, Rings, Screw Fixtures

Dead End Strap

• Dead-end strap made of high quality G90 pre-galvanized steel used to dead-end a drop cable at the house service mast.

Part Number	Description	Inner Pack	Outer Pack
SC11-1	From 1" to 4" Diameter Mast	--	100

Bridle Rings

31-00823

31-00819

31-00810

• Used to support cable runs and electrical wiring.
• Mechanically galvanized ASTM B695.

Part Number	Description	Style	Eye Dia.	Thread Size	Max. Load	Inner Pack	Outer Pack
31-00810	Wood Screw Bridle Ring	A	1-5/8"	#14	75 lbs.	--	100
31-00812	Wood Screw Bridle Ring	C	1-1/4"	#14	75 lbs.	--	100
31-00819	Wood Screw Bridle Ring	G	7/8"	#10	50 lbs.	25	100
31-00821	Machine Screw Bridle Ring	K	3/4"	#10-24	50 lbs.	100	1,000
31-00823	Machine Screw Bridle Ring	M	1-1/4"	#10-24	50 lbs.	--	100
31-00824	Machine Screw Bridle Ring	P	1-3/4"	#10-24	50 lbs.	--	100
31-00825	Machine Screw Bridle Ring	Q	1-1/4"	1/4"-20	50 lbs.	--	100
31-00827	Machine Screw Bridle Ring	R	1-5/8"	#10-24	50 lbs.	--	100

Angle Screw Fixture

• Used to attach bail wire type drop wire clamp to building.
• Mechanically galvanized ASTM B695.

Part Number	Description	Wood Screw Diameter	Shank Diameter Length	Machine Thread Length	Insulator Shank Length	Inner Pack	Outer Pack
33-00840	Angle Screw Fixture	5/16" (18)	9/32" x 2-1/4"	1"	1-1/2"	--	150
33-00841	Angle Screw Fixture	3/8"	3/8" x 2"	1-1/8"	2-1/2"	--	100

C

"S" Cable Clip - Telephone

- Used to secure telephone drip loop to "B" drop wire hook (Ram's horn).
- Ribs provide positive grip on drop wire.
- Aluminum "S" clip to be secured with lineman's pliers.

Part Number	Description	Maximum Cable Size	Inner Pack	Outer Pack
23-80261	2-3 Pair "S" Clip	.225" x .375"	25	500
23-80262	6 Pair "S" Clip	.300" x .500"	--	500
23-80366	1-2 Pair "S" Clip	.160" x .300"	25	500

"S" Cable Clip - Coaxial

- Used to prevent separation of two cables or a messenger steel wire from a drop cable.

Part Number	Description	Inner Pack	Outer Pack
SC10-1	Made of Soft Aluminum for Easy Finger Forming Accepts Up to Series 7 Cable	--	500

Dual Cable Clip

- Secures dual coaxial cable and telephone six pair cable runs.
- Mechanically galvanized steel ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
22-12121	Dual Cable Clip - Series 6	500	5,000

Diamond® Drop Hardware
Cable Clips

"U" Cable Clip

- Pre-formed aluminum cable clip used to secure drop cables and ground wires to either wood or masonry surfaces using self-tapping screws.

Part Number	Description	Inner Pack	Outer Pack
SC19-1	"U" Cable Clip RG59- 6MM	500	10,000
SC20-1	"U" Cable Clip for Series 6 Cable -7MM	500	10,000
SC20-D6	"U" Cable Clip for Dual RG-6 Cable	400	8,000
SC21-1	"U" Cable Clip for #12AWG to #14AWG Ground Wire.	500	10,000
SC21-2	U" Cable Clip for #6AWG to #10AWG Ground Wire.	500	10,000
SC22-1	"U" Cable Clip RG11 - 10MM	400	8,000

Screw and Snap® Clips (Patented)
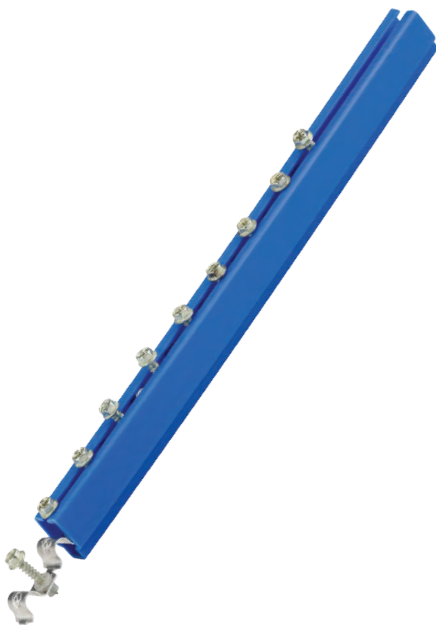
- Used to secure coaxial cable and ground wire runs to wood, masonry, stucco, brick or concrete.
- For concrete or brick drill .138" pilot hole. Screw will cut threads in hole.
- Convenient strips of ten clips snap off after installation.
- Cable size stamped on clips (aluminum).
- Screw hardened and treated for 500 hour salt spray resistance. ASTM B117.
- Plastic plugs secure screws to strip and prevent torquing.
- Handy holder included in every 30 strip carton.

Part Number	Description	Screw Size	Cable Size	Inner Pack	Outer Pack
24-88013	Screw & Snap Clips	#8 x 3/4"	Series 6	30	300
24-88014	Screw & Snap Clips	#8 x 3/4"	Series 59	30	300
24-88016	Screw & Snap Clips	#8 x 3/4"	10-14 AWG	30	300
24-88017	Screw & Snap Clips	#8 x 3/4"	Series 6Q	30	300
24-88027	Screw & Snap Clips	#8 x 3/4"	Series 11	30	300

*Screw N Snap can be used to attach cable to wood, masonry and concrete when a .138" pilot hole is drilled and fitted with a Diamond Plastic Screw Anchor, Diamond part number, 12-08210.

Diamond® Drop Hardware
Cable Clips

SAXXIT® Cable Clips (Patented)

- "Galvalume" steel cable clip used on concrete, mortar, stucco or wood with a pre-inserted, self-tapping screw or a drive pin.

Part Number	Description	Inner Pack	Outer Pack
SC16-19	SAXXIT Cable Clip for 6mm Cable with No. 8 x 1" Screw 1/4" Hex Head Indented "Phillips"	250	5,000
SC16-26	SAXXIT Cable Clip for 7mm Cable with No. 8 x 1" Screw 1/4" Hex Head Indented "Phillips"	250	5,000
SC16-3Q	SAXXIT Cable Clip for 8mm Cable with No. 8 x 1" Screw 1/4" Hex Head Indented "Phillips"	250	5,000
SC16-411	SAXXIT Cable Clip for 10mm Cable with No. 8 x 1" Screw 1/4" Hex Head Indented "Phillips"	250	5,000
SC16DP-19	SAXXIT Cable Clip for 6mm Cable with 1" Drive Pin	250	5,000
SC16DP-26	SAXXIT Cable Clip for 7mm Cable with 1" Drive Pin	250	5,000
SC16DP-3Q	SAXXIT Cable Clip for 8mm Cable with 1" Drive Pin	250	5,000

SAXXON® Cable Clips

- "Galvalume" steel cable clip used on wood, stucco or mortar with a 1" hardened pre-inserted nail.

Part Number	Description	Inner Pack	Outer Pack
SC18-19	SAXXON Cable Clip for 6mm Cable	500	10,000
SC18-26	SAXXON Cable Clip for 7mm Cable	500	10,000
SC18-3Q	SAXXON Cable Clip for 8mm Cable	500	10,000
SC18L-26	SAXXON Cable Clip for 7mm Cable with 1.625" Hardened Nail	300	3,600
SC18P-26BLACK	SAXXON Cable Clip for 7mm Cable, Painted Black	500	10,000

Diamond® Drop Hardware

Cable Clips, Cable Clamps,

Siding Clips

12-01401

12-01402

12-01501

12-01502

- Secures coaxial cable runs to aluminum, vinyl or steel siding.
- High density UV stabilized outdoor polypropylene.
- Available in natural (clear) or black.

Part Number	Description	Inner Pack	Outer Pack
12-01401	Horizontal Siding Clip - Natural	100	1,000
12-01402	Vertical Siding Clip - Natural	100	1,000
12-01501	Horizontal Siding Clip - Black	100	1,000
12-01502	Vertical Siding Clip - Black	100	1,000

"E" Drop Wire Clamp

- Used to secure telephone drop wire cable runs.
- Mechanically galvanized ASTM B695.
- Transverse ribs grip cable to prevent abrasion.

Part Number	Description	Inner Pack	Outer Pack
23-80361	"E" Drop Wire Clamp, One Pair, Steel	50	2,000
23-80363	"E" Drop Wire Clamp, One Pair, Steel, Box of 50	1	40
23-80370	"E" Drop Wire Clamp, Two Pair, Steel	50	2,000
23-83361	"E" Drop Wire Clamp, Six Pair, Steel	50	2,000
40-80365	"E" Drop Wire Clamp, Coax, Aluminum	--	500

Cable Ties - Aluminum
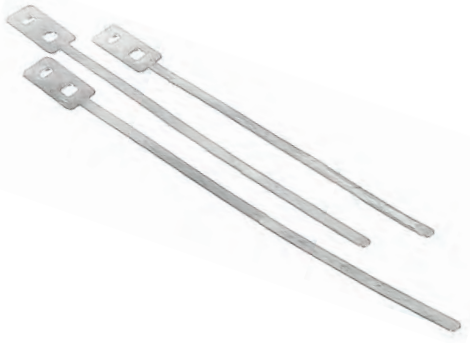
- Reusable strap with integral buckle made of malleable aluminum, corrosion resistant, used to support drop cables on the strand, pedestal, lock box and along the wall.
- No sharp edges to cut hands or damage cable.

Part Number	Description	Inner Pack	Outer Pack
SC053-1	7" Long, 1/4" Band - Reusable Aluminum Tie	400	8,000
SC053-2	10" Long, 1/4" Band - Reusable Aluminum Tie	100	1,500
SC28-4	ID Tag, 7" long, plain to scribe on	--	200

Feed Thru Bushing

34-08052

34-08053

34-08057

34-08058

34-08059

34-08060

- Protects coaxial cable entry into subscriber's building.
- Available in black or natural (clear).
- High density UV stabilized outdoor polypropylene.

Part Number	Description	Color	Cable Size	Inner Pack	Outer Pack
34-08052	Feed Thru Bushing	Black	Series 6, 6Q	100	1,000
34-08053	Feed Thru Bushing	Natural	Series 6, 6Q	100	1,000
34-08057	Feed Thru Bushing - Dual RG6	Black	Series 6, 6Q	100	1,000
34-08058	Feed Thru Bushing - Dual RG6	Natural	Series 6, 6Q	100	1,000
34-08059	Feed Thru Bushing - 15º Angle	Black	Series 6, 6Q	100	1,000
34-08060	Feed Thru Bushing - 15º Angle	Natural	Series 6, 6Q	100	1,000

Diamond® Drop Hardware
Drive Rings, Wire Loops

Drive Rings

- Used to support cable runs and electrical wiring.
- Mechanically galvanized steel ASTM B695.

Part Number	Description	Eye Size	Nail Length (in)	Maximum Load (lbs)	Inner Pack	Outer Pack
30-00801	Drive Ring	1/2"	2.062	50	50	2,500
30-00804	Drive Ring	5/8"	2.250	75	25	1,000
30-00805	Drive Ring	7/8"	2.563	100	25	500
30-00807	Drive Ring	1-1/4"	2.938	125	20	120
30-01801*	Drive Ring - Long	1/2"	2.438	50	50	2,500
30-01804*	Drive Ring - Long	5/8"	2.750	75	25	1,000
30-01805*	Drive Ring - Long	7/8"	3.062	100	25	500
30-01807*	Drive Ring - Long	1-1/4"	3.438	125	25	250

* These sizes have longer nails for greater carrying capacity

Drive Rings

- Drive ring used for guiding cables.
- May be used at the pole or at the house.
- Double crimped loop on concrete nail facilitates installation.
- Mechanically galvanized ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
SC17-1	5/8" Ring with 2-1/4" Concrete Nail	--	250
SC17-2	1-1/4" Ring with 2-1/2" Concrete Nail	--	200

Wire Loops and Wire Loop Drive Pins

- Used to attach drop wire runs to masonry with wire loop drive pins.
- Wire loops mechanically galvanized steel ASTM B695.
- Wire loop drive pins zinc plated steel ASTM B633.

Part Number	Description	Inner Pack	Outer Pack
15-00120	Wire Loop 1/2"	100	1,000
15-00121	Wire Loop 5/8"	100	1,500
15-00122	Wire Loop 7/8"	70	560
15-00123	Wire Loop 1-1/4"	100	1,000
15-10101	Wire Loop Drive Pin, 1-1/2" Long	100	1,500
15-10102	Wire Loop Drive Pin, 1-3/4" Long	100	1,500

Diamond® Drop Hardware
Drive Pins

Drive Pins

- Used to secure clamps to masonry surface.
- Zinc plated steel ASTM B633.

Part Number	Description	Inner Pack	Outer Pack
15-10041	Drive Pin - 1/4" Head x 3/4" Long, Metal Washer	100	1,500
15-10042	Drive Pin - 1/4" Head x 1" Long, Metal Washer	100	1,500
15-10043	Drive Pin - 1/4" Head x 1-1/4" Long, Metal Washer	100	1,500
15-10044	Drive Pin - 1/4" Head x 1-1/2" Long, Metal Washer	100	1,500

WARNING: Do not use powder actuated tools

Diamond® Construction Hardware Products

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Diamond® Construction Hardware
Lashed Cable Supports

D

Lashed Cable Supports

- Used to strap coaxial and telephone cable to strand.
- Available in 430 stainless steel or special zinc alloy in 3/4"width.
- Edges are processed to remove raised and projecting metal. Edges are smooth and free from burrs.

Part Number						
Zinc	Stainless Steel	Length	Diameter	Bundle Circumference	Inner Pack	Outer Pack
34-08911	34-08912	10"	1.2"	3.8"	--	500
34-08921	34-08922	16"	2"	6.3"	--	500
34-08931	34-08932	22"	3"	9.4"	--	300
34-08941	34-08942	28"	4"	12.6"	--	300
34-08951	34-08952	34"	5"	15.7"	--	300
*	34-08956	45"	6.5"	20.4"	--	200
34-08961	*	50"	7.5"	23.6"	--	200
*	34-08972	66"	10.0"	31.4"	--	200
*	3408972-SP	66"	10.0"	31.4"	--	200

Installation:

1. Measure diameter or circumference of bundle. Use table to determine strap length.

2. Thread strap through spacer slot.

3. Wrap strap around bundle (strand, spacer, cables) then through buckle twice, pulling each wrap tight.

4. Strap end should be doubled under itself (about 1.5") before making final pass through buckle. Trim off excess.

5. Bend doubled thickness over top of buckle to prevent unravelling.

Note:
In cable TV installation, straps should not be too tight as they may restrict cable movement during contraction and expansion and possibly damage cable.
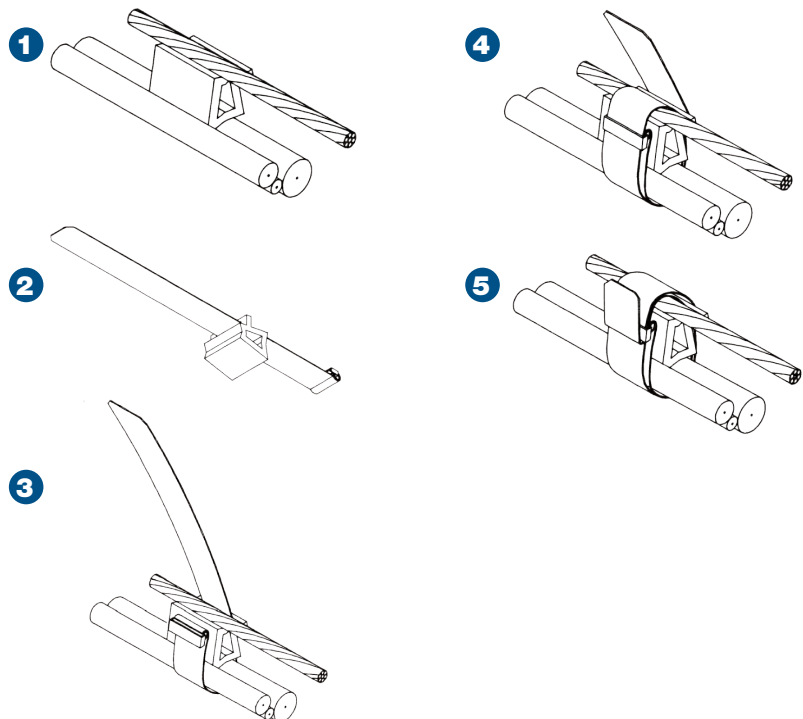
   * Ask PPC/Belden Representative.

Diamond® Construction Hardware
Lashed Cable Supports

Lashed Cable Support Kit

- Used to strap coaxial or telephone cable to strand.
- Kit contains 100 ft. 430 stainless steel strapping and 75 steel buckles.
- Kit makes 75 straps 16" average length.
- Cut to desired length and secure to buckle.

Part Number	Description	Inner Pack	Outer Pack
34-00890	3/4" Wide Stainless Steel Strap with 75 Buckles	1	10

Plastic Cable Spacer
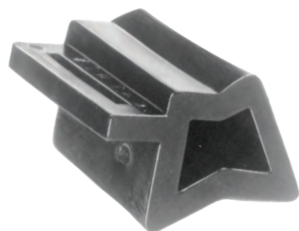
- High density outdoor polyethylene with UV. inhibitors.
- Bell type.
- Provides separation between aerial cable and messenger.

Part Number	Description	Inner Pack	Outer Pack
34-08850	1/2" Plastic Spacer	100	1,000
34-08875	3/4" Plastic Spacer	100	1,000

Support Strap

- Reusable support strap with integral buckle made of malleable aluminum fire retardant. Used to bundle telephone, coaxial and fiber cable at the steel strand.
- Safe to use, no sharp edges to cut hands or cables.

Part Number	Description	Inner Pack	Outer Pack
SC05-1	10" Long, 3/4" Band	--	500
SC06-1	16" Long, 3/4" Band	--	500

Diamond® Construction Hardware
Clamps

Lashing Clamps

26-09010

26-09020

- Used to secure lashing wire terminations.
- Mechanically galvanized ASTM B695.
- 1/4" - 7/16" clamp range.

Part Number	Description	Inner Pack	Outer Pack
SC07-1	Lashing Clamp	--	100
26-09010	"D" Lashing Clamp	--	100
26-09010NS	"D" Lashing Clamp no stakes	--	100
26-09020	"E" Lashing Clamp	--	100
26-09022	"E" Lashing Clamp with 2 Washers, 2 Nuts	--	100

Figure 8 Three Bolt Suspension Clamps

- Used to secure Figure 8 cable to pole.
- Center hole accommodates 1/2" or 5/8" diameter machine bolt.
- Clamp plates aluminum alloy.
- Steel bolts mechanically galvanized ASTM B695.
- Eliminates need to strip messenger.

Part Number	Description	Messenger Size Range	Inner Pack	Outer Pack
28-09610	Figure 8 Three Bolt Suspension Clamp	.109" - .134"	--	25
28-09615	Figure 8 Three Bolt Suspension Clamp	.148" - .250"	--	20

Figure 8 Tangent Support Clamps

- Used to secure Figure 8 cable to pole.
- Clamp plates and J Hook aluminum alloy.
- Eliminates need to strip messenger.

Part Number	Description	Thru Bolt Hole Size	Messenger Size Range	Inner Pack	Outer Pack
28-09500	Tangent Support Clamp	5/8"	.148"-.250"	--	25
28-09600	Tangent Support Clamp	1/2"	.109"-.134"	--	25
28-19651	Tangent Support Clamp	5/8"	.109"-.134"	--	25

www.ppc-online.com

Customer Support: **800.800.6652**

Diamond® Construction Hardware
Hangers, Brackets, Hooks

D

Fiber Optic Rack Hanger

- Secures F.O. storage devices (snow shoes) to strand.
- For 1/4" - 7/16" strand.
- Aluminum bracket.
- Steel ASTM B695 clamp plates.

Part Number	Description	Inner Pack	Outer Pack
29-19945	Fiber Optic Rack Hanger	--	25

Dead-End Bracket

- Dead-end bracket used to apply tension to steel strand building riser and to provide a means to dead-end a guy strand.
- Mechanically galvanized ASTM B695.
- 1,000 lb. load capacity.

Part Number	Description	Inner Pack	Outer Pack
SC44-1	5/16" Diameter Hook with 2-3/4" Tension Adjustment	--	25

Drive Hooks

- Used to support bail-type drop wire clamps to poles.
- Galvanized to ASTM A153 or B695.
- Fetter drive threads.

Part Number	Description	Inner Pack	Outer Pack
40-43007	7/16" Diameter x 4-3/4" Long	--	100
40-43008	5/16" Diameter x 3-1/2" Long	--	200

Square Washer
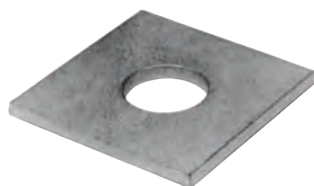
- Supports bolt head or nut of machine bolt.
- Mechanically galvanized ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
28-03004	5/8" Bolt Size x 2-1/4" Square x 3/16" Thickness	--	100

D

Tap Brackets

29-19941

29-19943

29-19944

29-50044

- Used to secure tap to strand.
- One piece steel snap-on version mechanically galvanized ASTM B695 for 1/4" strand only.
- Aluminum standard tap bracket & extension bracket. Both have 1/4" to 3/8" strand clamping range.
- Square hole in standard aluminum tap bracket mounts Diamond trap sleeve brackets ("W"brackets).

Part Number	Description	Clearance Between Strand & Tap	Load Capacity (lbs) (Minimal Deflection)	Inner Pack	Outer Pack
29-19941	Steel Snap-on Tap Bracket	2-1/2"	40	--	25
29-19943	Aluminum Tap Bracket (Standard)	2-1/2"	30	--	25
29-19944	Aluminum Extension Bracket	3" to 9"	25	--	25
29-50044	Strand Clamp	--	--	--	75

Tap Bracket with Common Ground

- Tap bracket used to secure a tap to the steel strand and provide a means to bond up to eight messengered drop cables.
- Firm and positive grip with no rotation or sliding on steel strand.
- Mechanically galvanized ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
SC23CGS-4	4" Horizontal Mounting with 8 Common Grounds	--	32

Tap Bracket - Vertical Mount

- Tap bracket used to secure a tap to the steel strand.
- Firm and positive grip with no rotation or sliding on steel strand.
- Stopper at multi-tap attachment prevents part rotation.
- Mechanically galvanized ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
SC23PV-2	2" Vertical Mount (Figure 8 Application)	--	32
SC23PV-4	4" Vertical Mount (Figure 8 Application)	--	32

Diamond® Construction Hardware

Tap Brackets, Support Brackets

Tap Bracket - Horizontal Mount
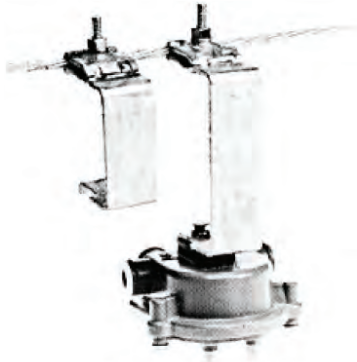
- Tap bracket used to secure a tap to the steel strand.
- Firm and positive grip with no rotation or sliding on steel strand.
- Stopper at multi-tap attachment.
- Mechanically galvanized ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
SC23PS-2	2" Horizontal Mount	--	32
SC23PS-3	3" Horizontal Mount	--	32
SC23PS-4	4" Horizontal Mount	--	32
SC23PS4-C	4" Horizontal Mount - Canada	--	32

Strand Hanger Support Bracket

- Used in mid-span or next to tap application.
- In high risk theft areas, makes it more difficult to tamper with the traps.
- Support up to 4 trap shields (up to 16 traps).
- Mechanically galvanized ASTM B695.
- Can also be supplied with a coated top shield aluminum bracket.

Part Number	Description	Inner Pack	Outer Pack
SC73-1F	Strand Hanger Support Bracket	--	32

Diamond® Construction Hardware

Aerial Cable Damper

D

Aerial Cable Damper

- Aluminum alloy.
- Designed to use the force of wind to aerodynamically reduce oscillation of cable.
- Supplied with special heavy duty lashed cable supports and "D" lashing clamps to secure to strand.
- Assembly instructions provided.

Part Number	Description	Inner Pack	Outer Pack
28-80001	Aerial Cable Damper	--	5

Installation:

1. Select proper size cable guard for application.

2. Place guard on cable over horizontal slots in Aerial Cable Damper (ACD).

3. Insert lashed cable supports through horizontal slots. Use two wraps and secure by bending end over top of buckle. Allow 1/4" clearance between cable and top of the ACD. The ACD must be allowed to swing free with the wind.

4. Position lashing clamps inside lashed cable supports and secure. Lashing clamps will restrict longitudinal movement to cable area protected by cable guards.

5. **Placement** – The number of ACDs varies with the length of cable span and terrain. The following is recommended as a guide for maximum effectiveness.

Level Ground – Locate at span's center for 125-170 ft. spans (Fig. 1). On spans 170-300 ft., locate two ACDs, each one-fourth the total span length from either pole. (Fig. 2)

Steep Grade – Locate one-tenth total span length from pole at lower level on 125-170 ft. spans. (Fig 3). On spans 170-300 ft., two ACDs are required. Locate one at one-fourth the total span length from lower pole. Locate second ACD halfway between first ACD and uphill pole. (Fig. 4).

Note: When installing on Fig. 8 cable:
1. ACD should be secured to exposed strand.
2. ACD will have limited dampening effective in extreme high wind conditions.
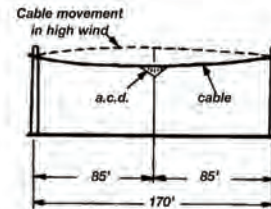
Fig. 1 – Level ground – 125'-170' spans
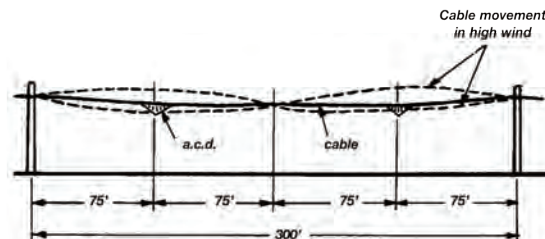
Fig. 2 – Level ground – 170'-300' spans
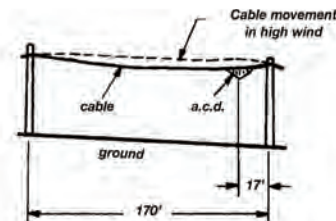
Fig. 3 – steep grade – 125'-170' spans
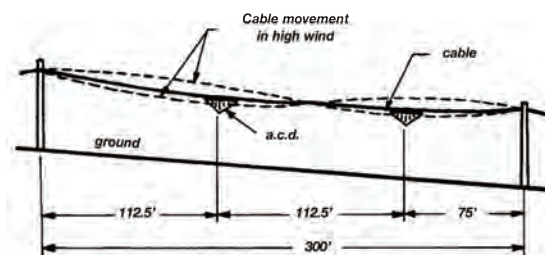
Fig. 4 – steep grade – 170'-300' spans

Bonding & Grounding Hardware Products

Index E

Table of Contents

Diamond® Bonding and Grounding Hardware
Bonding Clamps

Bonding Connector for Meter Pan (CATV Applications)

E

- Meter pan connector designed to provide a bonding connection between the metallic frame of a meter pan and a copper ground wire.
- Its unique design allows a fixed and positive mechanical contact without interfering with the opening of the meter pan front cover.
- Tighten screws to 20 in. lbs. torque.

Part Number	Description	Inner Pack	Outer Pack
SC51-1	For #10/12/14 AWG Copper Ground Wire. Made of G90 Galvanize Steel + Trivalent Chromate	--	100

Installation:

1. The tip of the stainless steel mounting screw is shaped to remove the paint at the point of contact, thus ensuring positive metal-to-metal contact with the top of the meter panel. (Always ensure that the bonding surface is cleaned of excess paint or rust before mounting the SC51-1 connector.) For heavily corrosive or marine environments. use of "RTV" silicone sealer is recommended at the contact point, between the screw tip and the top of the meter pan.

2. Back the bolt and nut from the connector enough to allow it to mount on one of the corner folds of the metal meter pan back corners.

3. Install the connector with the bottom edges gripping on the bottom fold of the fixed top cover of the metal meter pan. **Under no circumstances is the bonding connector to be mounted on the front cover or any movable part of the metal meter pan.** Tighten the bolt securely by applying sufficient torque (20 inch pound) to ensure a firm and positive connection on the metal meter pan.

4. Remove one inch of insulation from copper ground wire, use caution to avoid scoring or damaging ground wire. Insert grounding wire between washer and grounding nut. Wrap ground wire clockwise between washer and ground nut. Insure that slot in grounding washer is aligned with ground wire. Tighten grounding nut with CNW6 tool to secure ground wire. Do not over tighten. Double check that the grounding bolt is still firmly tight on the metal meter pan enclosure. If not, tighten it one quarter turn.
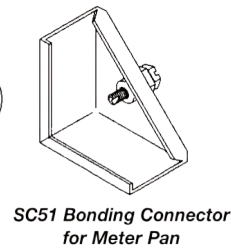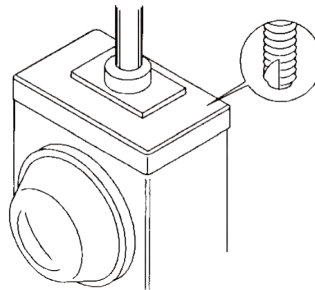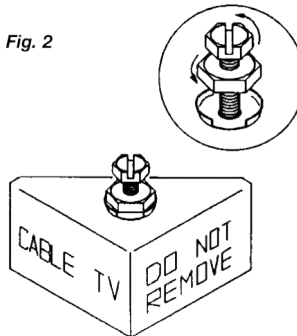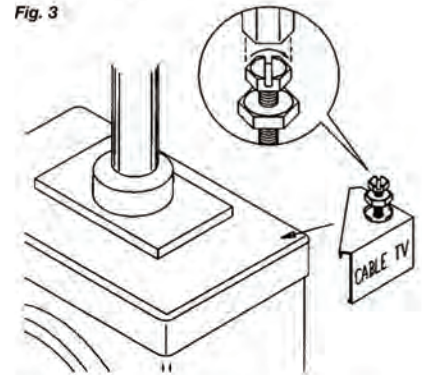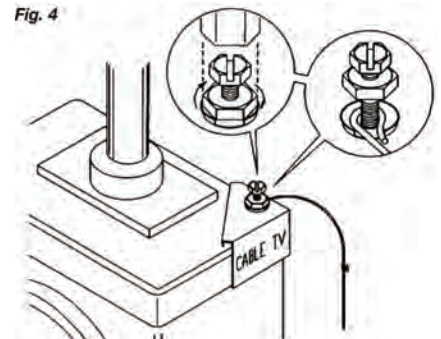
Recommended for usage when no other approved grounding electrode is accessible.

Fig. 1

SC51 Bonding Connector for Meter Pan

Fig. 2

Fig. 3

Fig. 4

CABLE TV DO NOT REMOVE

CABLE TV

Diamond® Bonding and Grounding Hardware

Bonding Clamps

E

Bonding Connector for Meter Pan (CATV Applications)

SC51-CF

SC51CFKF81

- Meter pan connector designed to provide a bonding connection between the metallic frame of a meter pan and a copper ground wire.
- Its unique design allows a fixed and positive mechanical contact without interfering with the opening of the meter pan front cover.
- Tighten screws to 20 in. lbs. torque.

Part Number	Description	Inner Pack	Outer Pack
SC51-CF	Meter Pan Connector. For #10/12/14 AWG Copper Ground Wire. Made of Stainless Steel.	--	100
SC51CF-81	Meter Pan Ground Block for Coaxial Cable with F81 connector. For #10/12/14 AWG Copper Ground Wire. Made of Stainless Steel	--	100
SC51CFKF81	Meter Pan Ground Block for Coaxial Cable with F81 connector. For #10/12/14 AWG Copper Ground Wire. Made of Stainless Steel	--	100

Bonding Connector for Meter Pan (Telephone Applications)

SC51-2

SC51CF-85

Part Number	Description	Inner Pack	Outer Pack
SC51-1T	Meter Pan Corner Bonding Connector for #14 to #10 AWG Copper Ground Wire. Connector made of G90 Galvanize Steel + Trivalent Chromate.	--	100
SC51-2	Meter Pan Corner Bonding Connector for #6 AWG Copper Ground Wire. Made of G90 Galvanize Steel + Trivalent Chromate	--	100
SC51CF-85	Meter Pan Bonding Connector for #6 AWG Copper Ground Wire. Made of Stainless Steel	--	100

Meter Box Ground Clamp

- Provides a convenient, quick installation of a reliable ground or bond for drops.
- 2 adjustable sizes: 6-1/2" to 10-1/2", 11-1/2" to 15-1/2".
- Stainless steel bolts, screw and washer.
- Mechanically galvanized ASTM B695.
- UL Listed.
- Will not restrict cover operation.
- Tighten screws to 20 in. lbs. torque.

Part Number	Description	Clamp Range	Inner Pack	Outer Pack
40-20000	Meter Box Ground Clamp (S), #10-6 AWG	6.5"-10.5"	--	50
40-20001	Meter Box Ground Clamp (L), #10-6 AWG	11.5"-15.5"	--	50
40-20002	Meter Box Ground Clamp (S), #10-6 AWG	6.5"-10.5"	1*	5
40-20003	Meter Box Ground Clamp (S), #10-6 AWG	11.5"-15.5"	1*	5
IBT1	Meter Box Ground Clamp (S), #10-6 AWG	6.5"-10.5"	1*	5
IBT2	Meter Box Ground Clamp (S), #10-6 AWG	15.5"-21.5"	1*	5

* Packages of 10 pieces each package.

Diamond® Bonding and Grounding Hardware
Ground Blocks

Grounding Blocks

Part Number	Description	Inner Pack	Outer Pack
GBS81K	Single Ground Block - Outdoor Precision F81 #14 AWG through #6 AWG Copper Ground Wire	--	500
SC12N-81	Single Ground Block with One Precision TBCF81 Connector - 3GHz #14 to #10 AWG Copper Grounding Wire. Made of G90 Galvanize Steel + Trivalent Chromate	--	150
SC12N81-1G	Single Ground Block with One Precision F81 Connector - 1GHz #14 to #10 AWG Copper Grounding Wire. Made of G90 Galvanize Steel + Trivalent Chromate	--	150
SC12KF81-1	Single Ground Block with One Precision KF81-1 Connector - 3GHz #14 to #10 AWG Copper Grounding Wire. Made of G90 Galvanize Steel + Trivalent Chromate	--	150
SC12-SS	Single Stainless Steel Ground Block with One Precision F81 Connector - 2GHz #14 to #10 AWG Copper Grounding Wire.	--	150
SC12DNS-81	Dual Ground Block with One Precision TBCF81 Connector - 3GHz #14 to #10 AWG Copper Grounding Wire. Made of G90 Galvanize Steel + Trivalent Chromate	--	100
SC12DNS81-25	Dual Ground Block with One Precision TBCF81 Connector - 3GHz. #14 to #10 AWG Copper Grounding Wire. Made of G90 Galvanize Steel + Trivalent Chromate	--	100
SC12DN-81	Dual Ground Block with Two Precision TBCF81 Connectors - 3GHz #14 to #10 AWG Copper Grounding Wire. Made of G90 Galvanize Steel + Trivalent Chromate	--	100
SC12D2-SS	Dual Stainless Steel Ground Block with Two Precision F81 Connectors - 2GHz #14 to #10 AWG Copper Grounding Wire.	--	100

GBS81K

SC12KF81-1

SC12N-81

SC12DNS-81
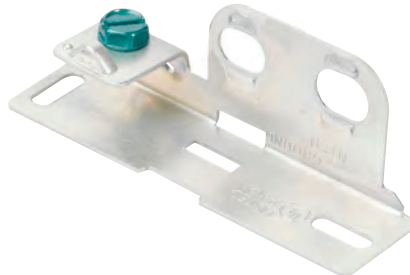
Grounding Bracket

- Grounding bracket permits upgrading number of drops by mounting 2, 3 or 4 way splitters simply by using the SC09 splitter ring nut for mounting.
- Made of G90 Galvanize Steel + Trivalent Chromate..

Part Number	Description	Inner Pack	Outer Pack
SC46DN	Accepts connector for #14 to #10 AWG Copper Grounding Wire	--	100

Splitter Ring Nut

- Splitter ring nut especially designed for converting the SC12DN grounding blocks to accept splitters.

Part Number	Description	Inner Pack	Outer Pack
SC09-1	Brass, Nickel Plated, .172" Height	250	5,000

Diamond® Bonding and Grounding Hardware
Grounding Clamps

E

Span Clamp

- Span clamp for steel messengered drop cable bonding applications.
- Unique locking design prevents rotation on steel strand.
- Mechanically galvanized ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
SC03E-2G	For Two Steel Messenger Wires .051" to .072" Diameter Used on 1/4" (6.6m) Steel Strand	--	75

"I" Beam Grounding Clamp

- Grounding clamp used to bond a solid copper ground wire to steel structure.
- Mechanically galvanized ASTM B695.

Part Number	Description	Inner Pack	Outer Pack
SC07GG	I Beam Grounding Clamp for #14 to #10 AWG Copper Ground Wire	--	125

"B" Ground Wire Clamp

- Used to secure #6 AWG to #12 AWG ground wire runs.
- Mechanically galvanized ASTM B695.
- 7/32" hole diameter.
- 3/8" wide x 9/16" long.

Part Number	Description	Ground Wire Range	Inner Pack	Outer Pack
23-80002	"B" Ground Wire Clamp	#12 (.081") to #6 (.162") AWG	500	5,000

Ground Connector

- Ground connector used to connect various size copper ground conductors with a firm mechanical contact.
- Made of pure copper with brass fastener.

Part Number	Description	Inner Pack	Outer Pack
SC42-1	Connects #4 or #6 AWG to #10, #12 or #14 AWG Copper Ground Wire	150	1,800

Diamond® Bonding and Grounding Hardware
Grounding Straps

Copper Ground Strap
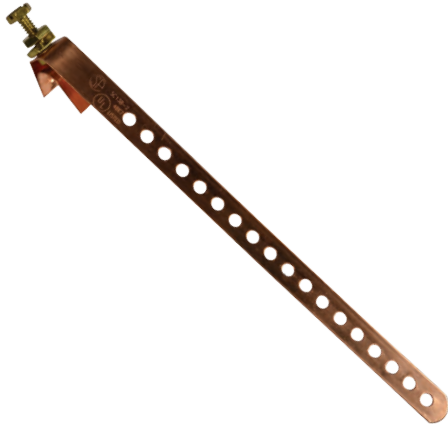
- Ground strap used to provide a fixed and permanent connection between a copper water pipe to a copper ground wire.
- Made of pure copper (ASTM B152-110) and brass fasteners (ASTM B16-360 and B134-260.
- All longitudinal dimensions are based on disassembled pieces.

Part Number	Description	Inner Pack	Outer Pack
SC13B-1	6.5" Strap, Fits 1/2" to 1" Diameter Pipe to #10/12/14 AWG Copper Ground Wire	--	150
SC13B-2	9" Strap, Fits 1/2" to 2-1/4" Diameter Pipe to #10/12/14 AWG Copper Ground Wire	--	200
SC13B-3	12" Strap, Fits 1/2" to 3" Diameter Pipe to #10/12/14 AWG Copper Ground Wire	--	150

Galvanized Ground Strap
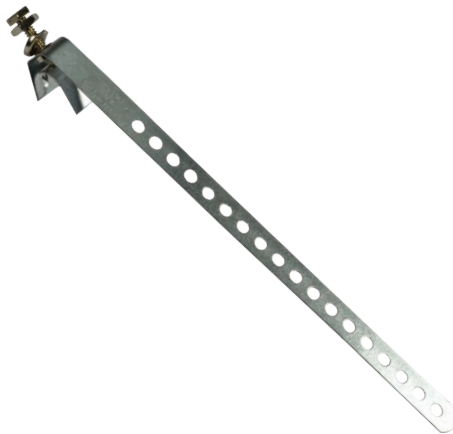
- Ground strap used to provide a fixed and permanent connection between a galvanized steel pipe and a copper ground wire.
- Made of G90 galvanized steel that meets Salt Test ASTM B117. Fasteners are made of brass, nickel plated (ASTM B16-360 and B134-260) to create a neutral for galvanized to copper connection.
- All longitudinal dimensions are based on disassembled pieces.

Part Number	Description	Inner Pack	Outer Pack
SC13BZ-1	6.5" Strap, Fits 1/2" to 1" Diameter Pipe to #10/12/14 AWG Copper Ground Wire	--	150
SC13BZ-2	9" Strap, Fits 1/2" to 2-1/4" Diameter Pipe to #10/12/14 AWG Copper Ground Wire	--	200
SC13BZ-3	12" Strap, Fits 1/2" to 3" Diameter Pipe to #10/12/14 AWG Copper Ground Wire	--	150

E

Diamond® Bonding and Grounding Hardware

Mechanical - Split Bolt Connectors, Jumper Clamps

High Strength Split Bolt Connectors
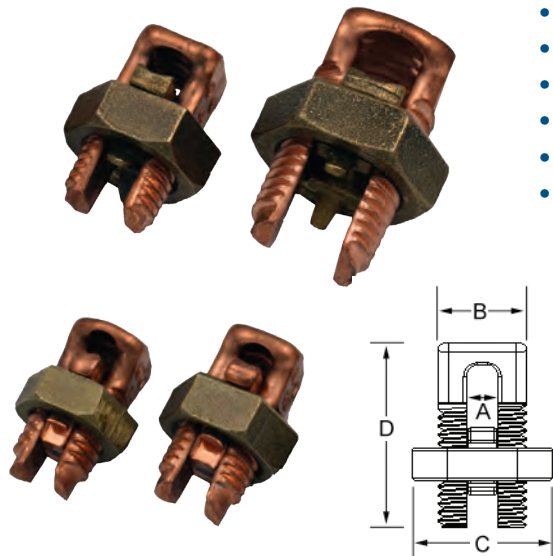
- For copper to copper connections.
- High strength corrosion resistant copper alloy for use in bonding applications.
- Highly resistant to corrosion and seasonal cracking.
- Hex design nut of high strength corrosion-resistant bronze alloy.
- Pressure bar is copper.
- UL and CSA listed.

Part Number	Size	Dimensions (In)				Inner Pack	Outer Pack
		A	B	C	D		
DG2	#2	0.309	0.615	0.875	1.240	100	400
DG4	#4	0.209	0.453	0.688	0.984	100	800
DG6	#6	0.165	0.413	0.625	0.906	100	800
DG8	#8	0.146	0.413	0.562	0.854	100	800

Type K - Jumper Clamp

- For all combinations of aluminum, copper and steel conductors.
- Cast of high strength bronze alloy CDA836.
- Furnished with silicon bronze bolt and lock washer. Lock washer minimizes loosening of installed clamp.
- Parallel groove design; no need to remove bolt for installation.
- Only one size for all requirements from No. 8 solid copper to 1/0 ACSR or 2/0 copper.

K1DS

KULDS

Part Number	Description	Inner Pack	Outer Pack
K1DS	Bonds 1/4" and 5/16" Strand to #6 AWG Copper Ground Wire, Tin Plated Clamp (except for 1 wire groove) with Galvanized Steel Bolt	100	600
K2DS	Bonds 1/4" and 5/16" Strand to #6 AWG Copper Ground Wire, Tin Plated Clamp with Galvanized Steel Bolt	100	600
K3DS	Bonds 1/4" and 5/16" Strand to #6 AWG Copper Ground Wire, Non-Plated Clamp with Galvanized Steel Bolt	100	600
KULDS	Bonds 1/4" and 5/16" Strand to #6 AWG Copper Ground Wire, Tin Plated Clamp with Bronze Bolt	100	600

Diamond® Bonding and Grounding Hardware
Mechanical - Ground Rod Clamps

Type JAB Ground Rod Clamps

JAB58HDS

JAB34HDS

JAB12HDS

- Cast of high strength corrosion resistant copper alloy CDA955.
- Hex head.
- Long bearing surface of clamp on ground wire secures ground connection.
- U.L. Listed for direct burial.
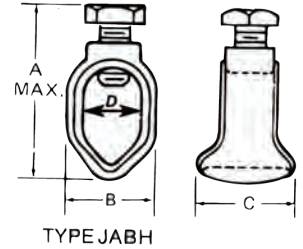
TYPE JABH

Part Number	Nominal Rod Diameter		Wire Range				Dimensions (IN)						Package Quantity
	IN	MM	Max	Min	Max (MM2)	Min (MM2)	A (Max) Socket Screw	A (Max) Hex Bolt	Screw Thread Size	B	C	D	
JAB12HDS	1/2	12.7	2 Str.	10 Sol.	33.6	5.2	1-19/32	2-3/32	7/16"-14UNC	15/16"	63/64"	11/16"	100
JAB34HDS	3/4	19.0	1/0 Str.	8 Sol.	53.4	8.3	2	2-11/32	7/16"-14UNC	11/16"	1"	51/64"	50
JAB58HDS	5/8	15.8	1/0 Str.	8 Sol.	53.4	8.3	1-27/32	2-13/64	7/16"-14UNC	51/64"	7/8"	19/32"	50

Type G Ground Rod Clamps

G5DS

G4DS

G3DS

- A dependable ground connection offered at a substantial savings.
- Cast of high strength corrosion-resistant copper alloy CDA955.
- Hex head bolts.
- Simplified compact design will make a lasting, trouble-free connection.
- U.L. Listed for direct burial.
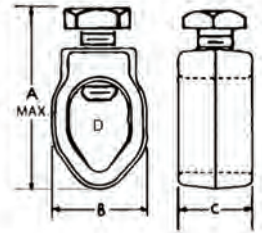
Part Number	Nominal Rod Diameter		Wire Range				Dimensions (IN)						Package Quantity
	IN	MM	Max	Min	Max (MM2)	Min (MM2)	A (Max) Bolt	Screw Thread Size	B	C	D	E	
G3DS	3/8	9.5	4 Str.	10 Sol.	21.6	5.2	--	5/16"-18UNC	11/16"	1/2"	27/64"	3/8"	100
G4DS	1/2	12.7	2 Str.	10 Sol.	33.6	5.2	--	3/8"-16UNC	49/64"	21/32"	33/64"	1/2"	100
G5DS	5/8	15.8	2 Str.	10 Sol.	33.6	5.2	--	3/8"-16UNC	29/32"	19/32"	21/32"	1/2"	50

Diamond® Bonding and Grounding Hardware
Mechanical - Grounding Connectors and Clamps

E

Die Cast Zinc Water Pipe Clamp

- Budget price clamps.
- Made of die cast zinc alloy with zinc plated screws.

Part Number	Water Pipe Size	Conductor Range		Package Quantity
		Maximum	Minimum	
BJ1DS	1/2"-1"	#2 Stranded	#10 Solid	250

Cast Bronze Water Pipe Clamp
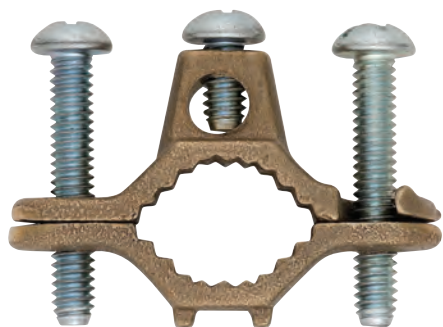
- For connecting grounding conductor to water pipe or copper tube.
- Cast of high strength, highly conductive copper alloy.
- Zinc plated screws plated for corrosion resistance.
- UL listed.

Part Number	Water Pipe Size	Conductor Range		Dimensions (IN)			Package Quantity
		Maximum	Minimum	A	B	C	
JDS	1/2"-1"	#2 Stranded	#10 Solid	2-3/4	2-11/32	23/32	100
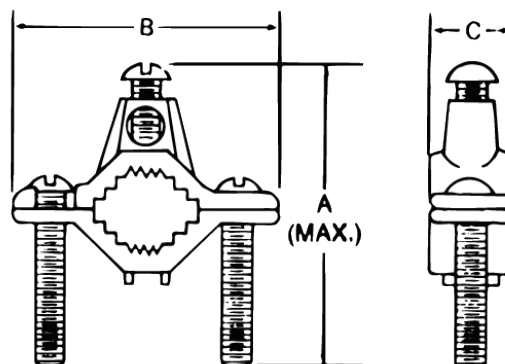
Diamond® Bonding and Grounding Hardware
Mechanical - Flexible Braids & Bonding Bar

Trailer Ground Clamp

- 7/16" tin plated hex head bolt installs with terminal wrench or crescent wrench. Square head bolt allows clamp to be installed with pliers.
- Will accommodate up to #6 AWG ground wire. Ground wire hole access from four directions minimizes having to bend ground wire.
- Designed so ground wire may be installed on clamp prior to mounting the clamp on metal frame, reducing installation time.
- Beam and ground wire connection can be separately tightened without disconnect integrity of ground circuit.
- High strength copper alloy CDA956 (91% nominal) providing greater conductivity, durability and excellent corrosion resistant characteristics without reliance on plating.
- High strength anchoring bolt penetrates paint.
- Bolts are electro-galvanized. Blade-type ground wire screw is tin-plated.

Part Number	Bolt Type	Unit Quantity	Standard Package
TGCDS	Square Head - 15/16" - 18UNC Bolt	25	100
TGCHDS	Slotted Screw Head - 5/16" - 24UNF	25	25

Braid and Web Guard Kit

Kit combines 25 feet of Bonding Braid and 25 feet of Web Guard in a convenient two-coil dispenser pack.

Bonding Braid Features:
- Flexible woven braid 7/16" wide made of die cast zinc alloy with zinc plated screws
- Composed of tinned copper strands
- Electrical carrying capacity of solid No. 6 AWG copper conductor
- Easily trimmed to length and punched for connection to a device

Web Guard Features:
- Open web, low density polyethylene protective covering
- Electrically insulates bonding braid or bonding bars from surrounding components
- Permits compound penetration when used in encapsulated splices

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4011	Braid and Web Guard Kit	1	6	6

"The C2056 Bond Coin can be used with the C4011 Braid and Web Guard Kit to provide full surface contact to the bond braid placed across the cable opening".

Bonding and Grounding Hardware

Mechanical - Flexible Braids & Bonding Bar

Bonding Coin

E

Sandwich type bond clip for use on cable shield drop wire. Sheath with bond coin and compression washers is placed over bond stud of adjoining cable. Fast, dependable bonding for non-fused shield service wire. Available in two sizes.

Design Features:
- Simple folds over for quick installation
- Tangs bite in for reliable electrical bond

Kit Contents:
Clip
2 Compression washers
Instructions

Shield bonded sheath wire or cable

Pairs

Part Number	Description	Center to Center Dim A	Inner Pack	Outer Pack	Min Order QTY
C2055	Bonding Coin- Long	1-5/16"	100	2100	1
C2056*	Bonding Coin- Short	13/16"	100	2100	1

*Can be used with Braid and Web Guard Kit

Copper Bond Bar and Insulator Tubing

Copper Bond Bar Features:
- Tin plated, Solid copper, ½" wide bond bar
- Provides effective shield continuity and dependable mechanical bonding
- Alternating hole and elongated slot configuration easily aligns to bond studs
- Will accommodate the base mounting posts of standard 3 pair and 6 pair terminal blocks

Insulator Tubing Features:
- 7/16" width fits easily and snugly over bond bar
- Provides protection against environmental, electrical and mechanical damage
- For use with both copper and aluminum bond bar when encapsulant is not being used

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4079	Bond Bar 25 Ft Roll	1	10	10
C4081	Bond Bar 100 Ft Roll	1	1	1
C4080	Kit with 25 Ft roll, Copper Bond bar and 25 Ft roll, Insulator Tubing	1	10	10

Bonding and Grounding Hardware
Mechanical - Clips & Clamps

E

Bullet Bond 1000

A universal shield bonding connector that provides excellent electrical and mechanical bond. Universal size is designed to fit any size or type of cable from 11 pair up, but double bonding is recommended on cables larger than 2-1/2 inch O.D. Commonly used in cable splice openings, ready access terminals or pedestals, but it can be used anywhere a bond or ground contact is required.

Design Features:
- Low contact resistance makes it ideal for reducing noise on data transmission lines
- Fits any medium to large cable
- When installed, clip will withstand a current surge of 1000 amps for more than 20 seconds
- Special heat shield protects underlying conductors from electrical and mechanical damage

Kit Contents:
Tanged top anchor plate	Baseplate with stud
Fold over shim	Heat shield
2 nuts with captive washers	Instructions

Baseplate:
- ¾" fixed binding post stud
- Is curved to fit the core of the cable
- 1" long and ¾" at its widest point

Shim Plate:
- Tin-plated copper shim with multiple tangs at one end penetrate the shield providing a low resistance connection
- Tail folds over the stud and contacts the top anchor plate
- Tail improves the current carrying capacity of the clip to the bridging device

Top Anchor Plate:
- Fits over the stud of the baseplate and has tangs to securely grip the outer cable sheath
- Hook nose helps prevent bond loss due to cable movement, when used with hose clamps inside pedestals
- Protects the underlying conductors in the event of a high current surge in the vicinity of the clip

Heat Shield:
- Moisture-proof, heat resistant material which is place between the base plate and core wrapper hook nose helps prevent bond loss due to cable movement, when used with hose clamps inside pedestals
- Protects the underlying conductors in the event of a high current surge in the vicinity of the clip

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4043	Bullet Bond 1000 Clip	1	100	1

Bonding and Grounding Hardware
Mechanical - Clips & Clamps

E

Bullet Bond Clip

A highly reliable shield bonding connector that provides an excellent electrical contact and a strong mechanical bond. Fits any medium to large cable, 11 pairs and up.

Design Features:
- Top anchor plate and the base plate with fixed stud for superior strength
- Top and base plates are copper plated for low resistance conductivity and cadmium plated to resist corrosion
- Multiply tang shim plate penetrates shield to provide a low resistance connection

Kit Contents:

| Tanged top anchor plate | Baseplate with fixed stud |
| Multiple tang shim plate | 2 nuts with captive washers |

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4040	Bullet Bond Clip	N/A	100	1

Beaver Clamp

A simple, dependable two-piece cable shield bonding connector that meets or exceeds industry standards. Designed to fit cable diameters from 0.4 inch and larger.

Design Features:
- Easily withstands both major electrical surge test criteria – 1200 amps for 10 seconds and 1000 amps for 20 seconds
- Bottom plate has multiple tangs that bite through coating and laminations onto the underside of the sheath
- Top anchor plate has four fang-like protrusions that bite in from the top side when the clap is tightened in place
- Excellent mechanical pullout strength and electrical continuity
- Supplied with 2 nuts with captive washers- one to secure the top anchor plate the other for securing the bonding bar or braid to the stud
- Optional heat shield to protect underlying conductors in the event of current surge is available

Kit Contents:

| Top anchor plate | Tanged bottom plate with fixed stud |
| 2 nuts with captive washers | Instructions |

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4025HS	Beaver Clamp w Heat Shield	50	1050	1

Bonding and Grounding Hardware
Mechanical - Clips & Clamps

E

Bond Stud Coin

A fast, easy to install sandwich style bonding clamp with threaded stud for easy attachment to sheath and shield. Bond coin of adjoining buried service drop or small cable is easily attached.

Design Features:
- Simply folds over for quick installation
- Perforated tangs and compression washer provide a firm grip

Kit Contents:

Clip with Stud   Compression washer
Nut   Instructions

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C2057	Bond Stud Coin 1	100	2100	1
C2058	Bond Stud Coin 2 – additional nut	100	2100	1

Six Ground Clip

A one-piece clip designed for termination of No. 6 copper wire. Fits over ground posts up to ¼ inch O.D.

Design Features:
- "L" channel clamps ground wire at a 90-degree angle to minimize danger of pullout
- Clip will withstand a 1000 amp current surge for 20 seconds

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4045	Six Ground Clip	100	2100	100

Dual Ground Lug

This easy to install, dual-rated mechanical connector is for grounding applications only with the following conductors: #8 AWG solid aluminum, #10 AWG solid copper and #17 AWG copper clad steel.

Design Features:
- Easy installation — no special tools required
- Tin-plated aluminum for low contact resistane
- Slotted screws — aluminum (size ¼"-28 x 3/8")
- UL Listed for conductors: #8 AWG solid aluminum #10 AWG solid copper #17 AWG copper clad steel

Part Number	Description	STD Pack
ADR2S	Dual Ground Lug	50

Bonding and Grounding Hardware
Mechanical - Clips & Clamps

Fiber Optic Bonding Clamp

Easy to install Fiber Optic Bonding Clamp provides a secure bond without compression of buffer tube or fibers.

Features:
- Interior clamp insures no compression of buffer tube or fibers
- Accepts fiber core up to .240 inches
- Serrated surface of interior clamp pierces the copolymer film on shield insuring bond with shield
- Multiple contact points ensure reliable connection
- Solid copper clasps, tin-plated, offers most conductive, non-corrosive materials
- Floating bond design protects against pullout from frost
- Second nut allows for bond removal for testing and maintenance
- Easy to install, cost effective

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
FBC-1	Fiber Optic Bonding Clamp for Small Fiber Cables	25	25	25

ADSL Aerial Drop Bond Clasp Kit

The ADSL Drop Bond Clasp Kit offers a simple, effective bonding solution for 2 or 3 pair shielded aerial drops, including those with RF drain wire. The Drop Bond Clasp connects to the shield and RF drain wire of an aerial ADSL drop in the terminal and in the Network Interface Device (NID).

Features:
- The bond clasp allows easy connection of the RF drain wire to bleed off troublesome RF interference to ground
- Inspection holes ensure visual confirmation of complete shield contact between the bond clasp and the cable shield
- Pre-connectorized #10 AWG jumper in 18" or 36" length can be stacked in multiples of up to 4 on the terminal grounding stud
- Additional bond clasps may be added to a working terminal by daisy-chaining from an existing ADSL drop clasp to another, using the compression C-Tap provided in the kit
- The pre-connectorized #10 AWG jumper allows simple connection to an MGN (Multi-Grounded Neutral). Accepts a wide range of cable center conductor sizes
- Jumper assembled using 2 #10 Ring Terminals and #10 AWG stranded wire UV resistant and UL listed

Kit Contents:

2 Bond Clasps	Serrated Screw #10-24 x 3/4"
Serrated Nut #10-24	Flat Washer
C-Tap	Jumper #10 AWG Wire with 2 #10 Ring Terminals

Part Number	Description	Jumper Length (in.)	Inner Pack	Outer Pack	Min Order QTY
ADSL18	Aerial Drop Bond Clasp Kit	18	1	25	25
ADSL36	Aerial Drop Bond Clasp Kit	36	1	25	25

Bonding and Grounding Hardware
Mechanical - Clips & Clamps

G Protector Clip

E

The one-piece clip, bonds or grounds the shield of a service wire or small cable up to ¼" O.D. or 3/8" O.D. at station protectors, pedestals and similar terminations. Low resistance path to ground prevents stray electromagnetic interference from inducing noise or cross talk on cable pairs and provides a ground circuit path from the shield to the ground protector.

Design Features:
- Plastic boot is included to protect shield against corrosion and the environment
- Easy slip-on installation
- Center groove grips cable or buried service drop allowing pairs to fan out from both sides
- Tangs compress against shield for positive electrical and mechanical bond

Basic Kit Contents:
One piece clip
Instructions
Insulator boot

Part Number	Description	Max Shield O.D	Inner Pack	Outer Pack	Min Order QTY
C4047	G Protector Clip	¼"	100	1000	1
C4058	G Protector Clip	3/8"	100	1000	1

Eleven X Connector Aluminum

The slotted screw with knurled nut provides effective shield bonding of large aircore and filled service wires up to ½" shield O.D. (11, 16 and 25 pairs) to a ground wire or ground stud. Can also be used to bond the two pieces of butt spliced service drop within a buried service drop closure.

Part Number	Description	Max Shield O.D	Inner Pack	Outer Pack	Min Order QTY
C4066	Eleven X Connector	½"	100	1000	100

Heat Shield
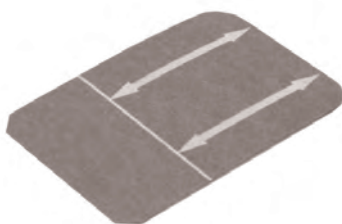
Bulk packaged heat-shields (as supplied with the C4043 Bullet Bond 1000) for use with the C4040 Bullet Bond and C4025 Beaver Clamp. This moisture-proof, heat-resistant material may be used to insulate conductors in the event of a high current surge in the vicinity of the bond clamp.

Part Number	Description	Inner Pack	Outer Pack	Min Order QTY
C4251	Heat Shield	100	500	100

Diamond® Fastening Hardware Products

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A **BELDEN** BRAND

Diamond® Fastening Hardware

Cable Support System

Diamond-Tek® Cable Support System

Provides a Strong, Long Life and Cost Saving Method of Securing Communication Cables.

The Diamond-Tek® Cable Support System is a user-friendly product designed to provide ease and flexibility in fastening communications cables to messenger strand. It is equally well suited for copper conductor cable, coaxial cable, fiber optic cable and inner duct in aerial applications.

The Diamond-Tek® system answers your aerial cable needs with innovative design and state of the art materials. This system includes weather-resistant Delrin® cable straps, stainless steel locking devices, and base hanger accessories for specific applications where mounting is required.

Diamond-Tek® cable straps are available in standard lengths of 10, 13.5, 16 and 27 inches, and in convenient 50 foot reels where specific lengths need to be established by the installer in the field. Additional "standard" lengths can be established for applications where higher volumes prevail.

Advantages of the Diamond-Tek® System Include:

- Proven years of service.
- No sharp edges - craft friendly! Cable friendly!
- Ease of installation - one wrap, no re-threading of re-strap.
- Lowers installation costs.
- High tensile strength after fastening.
- Total flexibility of strap lengths when using reel.
- Stackable spacers accommodate all cable sizes - no need to stock multiple sizes of individual height spacers.
- Spacer designed to retain strap on each side and cradle the cable, providing restricted movement of spacer and preventing damage to cable.
- In situations where multiple cables are supported, the Diamond-Tek® DT-D-SP-100 stackable spacer may be rotated 90 degrees and installed similar to a single cable, yet provide the same restricting features (unlike those commonly used today).
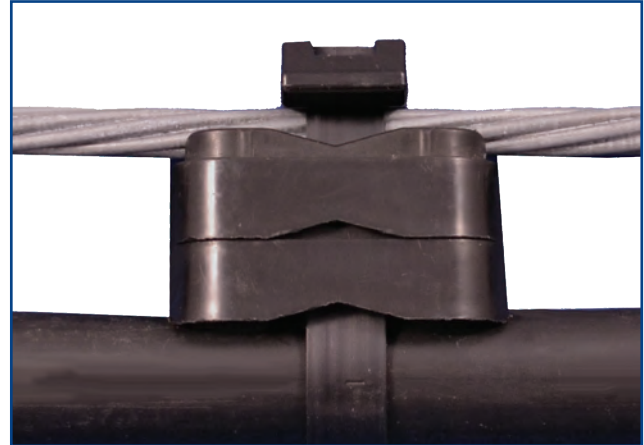
Quick, Easy Installation:

1. Position spacers, as required, between strand and cable or between cables.

2. Hold head of Diamond-Tek® strap at top of strand; thread tail through spacer, around cable, up through other side of spacer and into other side of the head.

3. Pull until snug, or use tool DT-TOOL to pull strap up tight and cut tail flush with head.

Specifications	
Strap and Body	Dupont Delrin®. Offers superior resistance to sunlight, moisture, and salt environments.
Locking Device	Heads contain two unique 301 stainless steel locking pawls that enhance the strength and grip on the strap.
Installation Range	-40ºF to 185º F (-40ºC to 85ºC)
Mechanical Properties	350 lbs. tensile strength. Insertion force 5lbs. or less.
Outdoor Life	Designed to last a minimum of 30 years.
Continuous Load	20 lbs.

Diamond® Fastening Hardware
Cable Support System

Strap with Locking Head

Delrin Strap

Part Number	Description	Inner Pack	Outer Pack
DT-D-10-50	Delrin Cable Strap with Head, 10.0" Long	50	50
DT-D-13-50	Delrin Cable Strap with Head, 13.5" Long	50	50
DT-D-16-50	Delrin Cable Strap with Head, 16.0" Long	50	50
DT-D-27-25	Delrin Cable Strap with Head, 27.0" Long	25	25

Nylon Strap - recommended for indoor use only.

Part Number	Description	Inner Pack	Outer Pack
DT-N-10-50	Nylon Cable Strap with Head, 10.0" Long	50	20
DT-N-12-50	Nylon Cable Strap with Head, 12.0" Long	50	20
DT-N-13-50	Nylon Cable Strap with Head, 13.5" Long	50	20
DT-N-15-50	Nylon Cable Strap with Head, 15.0" Long	50	20
DT-N-16-50	Nylon Cable Strap with Head, 16.0" Long	50	20
DT-N-18-50	Nylon Cable Strap with Head, 18.0" Long	50	20
DT-N-24-50	Nylon Cable Strap with Head, 24.0" Long	50	20
DT-N-27-25	Nylon Cable Strap with Head, 27.0" Long	25	20
DT-N-36-25	Nylon Cable Strap with Head, 36.0" Long	25	20
DT-N-48-25	Nylon Cable Strap with Head, 48.0" Long	25	12
DT-N-72-10	Nylon Cable Strap with Head, 72.0" Long	10	20

Strap in Reel and Box Containers

Delrin Strap

Part Number	Description	Inner Pack	Outer Pack
DT-D-RL-50	Reel - Cable Strap - Delrin - Clamshell Case - 50'	1	10
DT-D-BX-50	Box - Cable Strap - Delrin - 50'	1	10
DT-D-BX-100	Box - Cable Strap - Delrin - 100'	1	10

Nylon Strap - recommended for indoor use only.

Part Number	Description	Inner Pack	Outer Pack
DT-N-RL-50	Reel - Cable Strap - Nylon - Clamshell Case - 50'	1	10
DT-N-BX-50	Box - Cable Strap - Nylon - 50'	1	10
DT-N-BX-100	Box - Cable Strap - Nylon - 100'	1	10
DT-N-BX-200	Box - Cable Strap - Nylon - 200'	1	10

Kits

Delrin Strap

Part Number	Description	Inner Pack	Outer Pack
DT-D-KIT	(1) 50' Reel of Strap - Delrin, 25 Locking Heads	--	1
DT-D-PK-5	(5) 50' Reels of Strap - Delrin, 150 Locking Heads	5	10
DT-D-PK-10	(10) 50' Reels of Strap - Delrin, 300 Locking Heads	10	10

Nylon Strap - recommended for indoor use only.

Part Number	Description	Inner Pack	Outer Pack
DT-N-KIT	(1) 100' Box of Strap - Nylon, 25 Locking Heads	--	1

Diamond® Fastening Hardware

Cable Support System

Locking Heads

Part Number	Description	Inner Pack	Outer Pack
DT-D-LH-25	Molded Delrin® with Stainless Steel Locking Pawls. Use with 50' Reels of Strap	25	500

Modular, Stackable Cable Spacers

- One spacer for any cable size.
- Stackable for any desired spacing.
- Less inventory - only one catalog number.
- Made of weather-resistant polypropylene.
- 1/2" high.

Part Number	Description	Inner Pack	Outer Pack
DT-D-SP-100	Modular, Stackable Cable Spacers	100	100
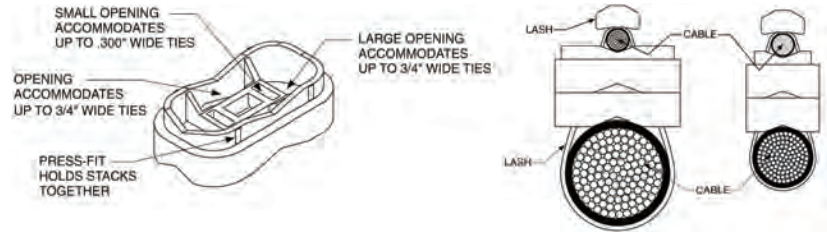
Steel Base and Hanger

Part Number	Description	Inner Pack	Outer Pack
DT-B-50	Zinc-Plated Steel Base for Vertical Runs	50	500
DT-H-50	Zinc-Plated Steel Base for Horizontal Runs	50	500

Mounting Base for Masonry and Brick Surfaces - Nylon

- Quick, easy installation without adhesives or epoxies.
- Provides a quick, easy means of attaching cable and wires to masonry surfaces.
- Installs simply by tapping it into a drilled hole (3/8").
- Immediately ready to accept a Diamond-Tek® strap and wire bundle, no tedious surface preparation, no waiting for adhesives to set.
- Provides quick, dependable mechanical installation.
- Replaces a variety of anchors, clamps, screws, and adhesives.
- Designed for both indoor and outdoor applications - made of a special impact and ultraviolet resistant black nylon.

Part Number	Description	Hole Size in Masonry	Max Tie Width Accom.	Inner Pack	Outer Pack
DT-WM-O-C	Nylon Mounting Base for Masonry and Brick Surfaces	3/8"	.500	100	500

Diamond® Fastening Hardware

Standard Cable Ties

ROHS COMPLIANT ENVIRONMENTALLY FRIENDLY

Faster:
Low insertion and pull through force.

Stronger:
High tensile strength achieved from one piece design.
- Manufactured from filtered nylon reducing particle contamination.
- Advanced pawl and teeth design.

Easier:
Angled tail provides quicker initial insertion alignment.
- Tail finger grips allow easier handling and tightening.

Safer:
Rounded edges provides added safety and eliminates insulation damage.

Consistent:
Formulated molding processes.
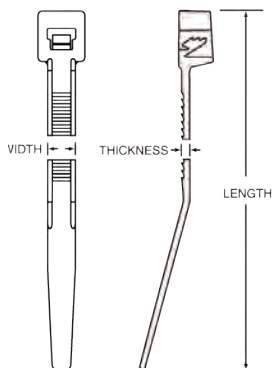
Miniature - 18lb. - Natural, UV Black and Heat Stabilzed

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	ЯU-CSA Mil-Spec	Per Case
1,000	DT-04-18-9-M	Natural Nylon							
100	DT-04-18-9-C								
1,000	DT-04-18-0-M	UV Black Nylon	4.12/104.77	.095/2.413	.042/1.066	18 lb.	.875/22.225	ЯU-CSA MS3367-4*	10,000
100	DT-04-18-0-C								
1,000	DT-04-18-30-M	Heat Stabilized Black Nylon							
100	DT-04-18-30-C								
1,000	DT-06-18-9-M	Natural Nylon							
100	DT-06-18-9-C								
1,000	DT-06-18-0-M	UV Black Nylon	6.18/156.97	.095/2.413	.042/1.066	18 lb.	1.50/38.10	ЯU-CSA	10,000
100	DT-06-18-0-C								
1,000	DT-06-18-30-M	Heat Stabilized Black Nylon							
100	DT-06-18-30-C								
1,000	DT-08-18-9-M	Natural Nylon							
100	DT-08-18-9-C								
1,000	DT-08-18-0-M	UV Black Nylon	8.18/207.94	.095/2.413	.042/1.066	18 lb.	2.187/55.562	ЯU-CSA	10,000
100	DT-08-18-0-C								
1,000	DT-08-18-30-M	Heat Stabilized Black Nylon							
100	DT-08-18-30-C								

Tolerance: .xx = +-.005, .xxx = +-.015, Fraction = +-1.32"
Heat stabilized black ties have a 2 week lead time and are not Mil-Spec approved. ROHS compliant. Sold in case quantities.

Intermediate - 40lb. - Natural, UV Black and Heat Stabilized

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	ЯU-CSA Mil-Spec	Per Case
1,000	DT-05-40-9-M	Natural Nylon							
100	DT-05-40-9-C								
1,000	DT-05-40-0-M	UV Black Nylon	5.84/148.33	.140/3.556	.049/1.244	40 lb.	1.437/36.512	ЯU-CSA MS3367-5*	10,000
100	DT-05-40-0-C								
1,000	DT-05-40-30-M	Heat Stabilized Black Nylon							
100	DT-05-40-30-C								
1,000	DT-08-40-9-M	Natural Nylon							
100	DT-08-40-9-C								
1,000	DT-08-40-0-M	UV Black Nylon	8.875/225.42	.140/3.556	.049/1.244	40 lb.	2.375/60.325	ЯU-CSA	10,000
100	DT-08-40-0-C								
1,000	DT-08-40-30-M	Heat Stabilized Black Nylon							
100	DT-08-40-30-C								
500	DT-11-40-9-D	Natural Nylon							
100	DT-11-40-9-C								
500	DT-11-40-0-D	UV Black Nylon	10.96/278.58	.140/3.556	.054/1.371	40 lb.	3.375/85.72	ЯU-CSA	5,000
100	DT-11-40-0-C								
500	DT-11-40-30-D	Heat Stabilized Black Nylon							
100	DT-11-40-30-C								
500	DT-14-40-9-D	Natural Nylon							
100	DT-14-40-9-C								
500	DT-14-40-0-D	UV Black Nylon	14.25/361.95	.140/3.556	.054/1.371	40 lb.	4.00/101.60	ЯU-CSA	5,000
100	DT-14-40-0-C								
500	DT-14-40-30-D	Heat Stabilized Black Nylon							
100	DT-14-40-30-C								

Tolerance: .xx = +-.005, .xxx = +-.015, Fraction = +-1.32"
Heat stabilized black ties have a 2 week lead time and are not Mil-Spec approved. ROHS compliant. Sold in case quantities.

WIDTH | THICKNESS | LENGTH

Diamond® Fastening Hardware
Standard Cable Ties

RoHS COMPLIANT — ENVIRONMENTALLY FRIENDLY

Standard - 50lb. - Natural, UV Black and Heat Stabilized

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	ЯU-CSA Mil-Spec	Per Case
1,000	DT-07-50-9-M	Natural Nylon							
100	DT-07-50-9-C	Natural Nylon							
1,000	DT-07-50-0-M	UV Black Nylon	7.56/192.07	.180/4.572	.052/1.320	50 lb.	1.875/47.625	ЯU-CSA MS3367-1*	10,000
100	DT-07-50-0-C	UV Black Nylon							
1,000	DT-07-50-30-M	Heat Stabilized Black Nylon							
100	DT-07-50-30-C	Heat Stabilized Black Nylon							
500	DT-11-50-9-D	Natural Nylon							
100	DT-11-50-9-C	Natural Nylon							
500	DT-11-50-0-D	UV Black Nylon	11.25/285.75	.180/4.572	.052/1.320	50 lb.	3.062/77.787	ЯU-CSA MS3367-7*	5,000
100	DT-11-50-0-C	UV Black Nylon							
500	DT-11-50-30-D	Heat Stabilized Black Nylon							
100	DT-11-50-30-C	Heat Stabilized Black Nylon							
500	DT-14-50-9-D	Natural Nylon							
100	DT-14-50-9-C	Natural Nylon							
500	DT-14-50-0-D	UV Black Nylon	14.25/361.95	.180/4.572	.052/1.320	50 lb.	4.00/101.60	ЯU-CSA MS3367-2*	5,000
100	DT-14-50-0-C	UV Black Nylon							
500	DT-14-50-30-D	Heat Stabilized Black Nylon							
100	DT-14-50-30-C	Heat Stabilized Black Nylon							
500	DT-17-50-9-C	Natural Nylon	17.09/434.16	.187/4.749	.060/1.524	50 lb.	4.75/120.65	ЯU	5,000
100	DT-17-50-0-C	UV Black Nylon							
500	DT-21-50-9-C	Natural Nylon	21.68/550.67	.187/4.749	.060/1.524	50 lb.	6.50/166.00		1,000
100	DT-21-50-0-C	UV Black Nylon							

Tolerance: .xx = +-.005, .xxx = +-.015, Fraction = +-1.32"
Heat stabilized black ties have a 2 week lead time and are not Mil-Spec approved. ROHS compliant. Sold in case quantities.

Heavy Duty - 120lb. - Natural, UV Black and Heat Stabilized

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	ЯU-CSA Mil-Spec	Per Case
100	DT-08-120-9-C	Natural Nylon							
100	DT-08-120-0-C	UV Black Nylon	8.70/220.98	.300/7.620	.076/1.930	120 lb.	2.06/52.38	ЯU-CSA	3,000
100	DT-08-120-30-C	Heat Stabilized							
100	DT-14-120-9-C	Natural Nylon							
50	DT-14-120-9-L	Natural Nylon							
100	DT-14-120-0-C	UV Black Nylon	15.09/383.36	.300/7.620	.076/1.930	120 lb.	4.06/103.18	ЯU-CSA MS3367-3*	2,000
50	DT-14-120-0-L	UV Black Nylon							
100	DT-14-120-30-C	Heat Stabilized Black Nylon							
50	DT-14-120-30-L	Heat Stabilized Black Nylon							
50	DT-18-120-9-L	Natural Nylon	18.43/468.29	.302/7.670	.083/2.108	120 lb.	5.00/127.00	ЯU-CSA	1,000
50	DT-18-120-0-L	UV Black Nylon							
50	DT-24-120-9-L	Natural Nylon	24.43/620.69	.302/7.670	.083/2.108	120 lb.	7.00/177.80	ЯU-CSA	500
50	DT-24-120-0-L	UV Black Nylon							
50	DT-30-120-9-L	Natural Nylon	30.75/781.05	.302/7.670	.083/2.108	120 lb.	9.00/228.60	ЯU-CSA MS3367-6*	500
50	DT-30-120-0-L	UV Black Nylon							
50	DT-36-120-9-L	Natural Nylon	37.00/939.80	.302/7.670	.083/2.108	120 lb.	11.00/279.40	ЯU-CSA	500
50	DT-36-120-0-L	UV Black Nylon							

Tolerance: .xx = +-.005, .xxx = +-.015, Fraction = +-1.32"
Heat stabilized black ties have a 2 week lead time and are not Mil-Spec approved. ROHS compliant. Sold in case quantities.
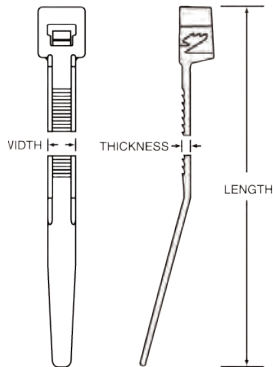
Diamond® Fastening Hardware
Standard Cable Ties

Extra Heavy Duty - 175lb. - Natural, UV Black and Gray

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	ЯU-CSA Mil-Spec	Per Case
50	DT-24-175-9-L	Natural Nylon	25.25/641.35	.340/8.636	.090/2.286	175 lb.	7.18/182.56	ЯU-CSA UL 181B-C MS3367-10	500
50	DT-24-175-0-L	UV Black Nylon							
50	DT-36-175-9-L	Natural Nylon	37.25/946.15	.340/8.636	.090/2.286	175 lb.	11.00/279.40	ЯU-CSA UL 181B-C MS3367-13	500
50	DT-36-175-0-L	UV Black Nylon							
50	DT-48-175-9-L	Natural Nylon	48.50/1231.9	.340/8.636	.090/2.286	175 lb.	14.50/368.30	ЯU-CSA UL 181B-C MS3367-16	500
50	DT-48-175-8-L	Gray Nylon							
50	DT-48-175-0-L	UV Black Nylon							

Tolerance: .xx = +-.005, .xxx = +-.015, Fraction = +-1.32"
ROHS compliant. Sold in case quantities.
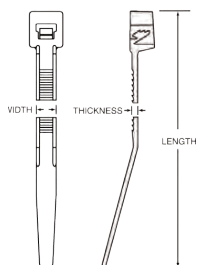
250lb. - Natural and UV Black

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	ЯU-CSA Mil-Spec	Per Case
100	DT-22-250-9-C	Natural Nylon	21.93/557.19	.494/12.54	.086/2.184	250 lb.	6.00/152.40	ЯU	500
100	DT-22-250-0-C	UV Black Nylon							

Tolerance: .xx = +-.005, .xxx = +-.015, Fraction = +-1.32"
ROHS compliant. Sold in case quantities.

VIDTH THICKNESS LENGTH

F

Diamond® Fastening Hardware
Specialty Cable Ties

F

High quality color concentrates produce color consistency time after time.

Ideal Applications:
Color coding, identification, packaging continuity and bundling aesthetics.

Color Codes
BR = Brown
RE = Red
OR = Orange
YE = Yellow
GR = Green
BL = Blue
PU = Purple
GY = Gray

One piece design allows for quicker mechanical mounting and reduced cost.

Secures and positions wire bundles, cables, hoses, etc. to panels or other surfaces with one mechanical fastener.

Color and Fluorescent - 18lb., 40lb., 50lb. and 120lb.

Per Bag	Part No.	Color	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	ЯU-CSA Mil-Spec	Per Case
100	DT-04-18-##-C	Standard	4.12/104.77	.095/2.413	.042/1.066	18 lb.	.875/22.225	ЯU-CSA MS3367-4*	10,000
100	DT-04-18-##FL-C	Fluorescent							
100	DT-05-40-##-C	Standard	5.84/148.33	.140/3.556	.049/1.244	40 lb.	1.437/36.512	ЯU-CSA MS3367-5*	5,000
100	DT-05-40-##FL-C	Fluorescent							
100	DT-08-40-##-C	Standard	8.875/225.42	.140/3.556	.049/1.244	40 lb.	2.375/60.325	ЯU-CSA	5,000
100	DT-08-40-##FL-C	Fluorescent							
100	DT-07-50-##-C	Standard	7.56/192.07	.180/4.572	.052/1.320	50 lb.	1.875/47.625	ЯU-CSA MS3367-1*	5,000
100	DT-07-50-##FL-C	Fluorescent							
100	DT-11-50-##-C	Standard	11.25/285.75	.180/4.572	.052/1.320	50 lb.	3.062/77.787	ЯU-CSA MS3367-7*	5,000
100	DT-11-50-##FL-C	Fluorescent							
100	DT-14-50-##-C	Standard	14.56/369.87	.180/4.572	.052/1.320	50 lb.	4.125/104.775	ЯU-CSA MS3367-2*	5,000
100	DT-14-50-##FL-C	Fluorescent							
100	DT-14-120-##-C	Standard	15.09/383.36	.300/7.620	.076/1.930	120 lb.	4.06/103.18	ЯU-CSA MS3367-3*	2,000
100	DT-14-120-##FL-C	Fluorescent							

= Color Code, FL = Fluorescent
Tolerance: .xx = +-.005, .xxx = +-.015, Fraction = +-1.32"
Bulk packaging and specialty colors avaiable with minimum buy and 4 week lead time.
*Mil-Spec does not apply to fluorescent colors.
ROHS compliant. Sold in case quantities.

Mounting Hole - 30lb., 50lb., and 120lb. - Natural and UV Black

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Screw Size	Diameter inch/mm	ЯU-CSA Mil-Spec	Per Case
100	DT-05-30-MH-9-C	Natural Nylon	5.8/149.2	.138/3.505	.045/1.143	30 lb.	#8	1.25/31.75	ЯU	10,000
100	DT-05-30-MH-0-C	UV Black Nylon								
1,000	DT-07-50-MH-9-M	Natural Nylon	8.0/203.2	.177/4.495	.052/1.320	50 lb.	#10	1.75/44.45	ЯU CSA	5,000
100	DT-07-50-MH-9-C	Natural Nylon								
1,000	DT-07-50-MH-0-M	UV Black Nylon								
100	DT-07-50-MH-0-C	UV Black Nylon								
100	DT-11-50-MH-9-C	Natural Nylon	11.5/292.1	.177/4.495	.053/1.346	50 lb.	#10	3.00/76.20	ЯU CSA	5,000
100	DT-11-50-MH-0-C	UV Black Nylon								
100	DT-14-50-MH-9-C	Natural Nylon	14.5/368.3	.177/4.495	.053/1.346	50 lb.	#10	4.00/1.1.60	ЯU CSA	5,000
100	DT-14-50-MH-0-C	UV Black Nylon								
100	DT-14-120-MH-9-C	Natural Nylon	15.7/398.7	.298/7.569	.075/1.905	120 lb.	1.4"	4.06/103.12	ЯU CSA	2,000
100	DT-14-120-MH-0-C	UV Black Nylon								

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1.32"
ROHS compliant. Sold in case quantities.

WIDTH   THICKNESS   LENGTH
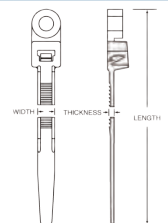
Diamond® Fastening Hardware

Specialty Cable Ties

Reduced head height compared to standard head designs.

Increases safety, eliminates snags, cuts, and abrasions to cables, hoses, products, and users.

No sharp tail cutoffs remaining tail slips back into head of tie leaving no exposed sharp edges.

Flexible head design allows the head to easily flex around the total circumference of tubing or bundled wires.

Tamper proof pawl located under the tie's head makes it inaccessible when bundled.

Cobra , Low Profile - 50lb. and 120lb. - Natural and UV Black

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	ЯU-CSA Mil-Spec	Per Case
1,000	DT-07-50-LP-9-M	Natural Nylon	7.5/190.5	.177/4.495	.053/1.346	50 lb.	1.75/44.45	ЯU-CSA MS3367-23	10,000
100	DT-07-50-LP-9-C								
1,000	DT-07-50-LP-0-M	UV Black Nylon							
100	DT-07-50-LP-0-C								
100	DT-11-50-LP-9-C	Natural Nylon	11.3/288.2	.177/4.495	.053/1.346	50 lb.	3.06/77.78	ЯU-CSA MS3367-29	5,000
100	DT-11-50-LP-0-C	UV Black Nylon							
100	DT-14-50-LP-9-C	Natural Nylon	14.6/372.1	.177/4.495	.053/1.346	50 lb.	4.06/103.18	ЯU-CSA MS3367-24	5,000
100	DT-14-50-LP-0-C	UV Black Nylon							
100	DT-14-120-LP-9-C	Natural Nylon	16.0/406.4	.300/7.620	.075/1.905	120 lb.	4.06/130.18	ЯU-CSA MS3367-25	2,000
100	DT-14-120-LP-0-C	UV Black Nylon							

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1.32"
ROHS compliant. Sold in case quantities.
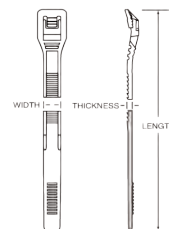
Temporary or permanent bundling allows for quick addition or removal of wires or items.

Strap finger release latch allows easy access but reduces snags compared to top latch style.

Releasable - 50lb. - Natural and Black

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	ЯU-CSA Mil-Spec	Per Case
100	DT-05-50-RL-9-C	Natural Nylon	5.905/150.0	.299/7.60	.050/1.270	50 lb.	1.378/35.0	ЯU	2,000
100	DT-05-50-RL-0-C	Black Nylon							
100	DT-08-50-RL-9-C	Natural Nylon	7.874/200.0	.299/7.60	.053/1.346	50 lb.	1.969/50.0	ЯU	5,000
100	DT-08-50-RL-0-C	Black Nylon							
100	DT-12-50-RL-9-C	Natural Nylon	11.811/300.0	.299/7.60	.053/1.346	50 lb.	3.15/80.0	ЯU	3,000
100	DT-12-50-RL-0-C	Black Nylon							
100	DT-14-50-RL-9-C	Natural Nylon	14.567/370.0	.189/4.80	.065/1.65	50 lb.	4.0/102.0		5,000
100	DT-14-50-RL-0-C	Black Nylon							

Tolerance: = +-.003"/.76mm
AL-14-50-RL finger release top latch style
ROHS compliant. Sold in case quantities.
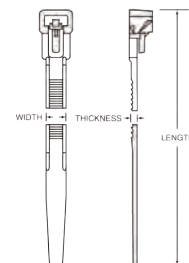
Diamond® Fastening Hardware

Stainless Steel Cable Ties

Applications:
Communications, Power Utilities, Automotive, Transportation, Aerospace, Shipping, Construction, Industrial, Petroleum, Marine, Agriculture, Nuclear, Fire Protection, Signals, and Signs.

316 Stainless Steel:
Provides high resistance to heat, salts, and acids. Perfect for indoor, outdoor and underground applications.

Polyester Coating:
Enhances the corrosive properties and acts as a barrier to avoid corrosion between dissimilar metals.

Operating Temps:
Uncoated 1,000º F / 500º C
Coated 302º F / 150º C

316 Uncoated Stainless Steel - 100lb. and 250lb.

Per Bag	Part No.	Material	Length inch/mm	Width inch/mm	Metal Thickness	Tie Tensile	Diameter inch/mm	UL-CSA Mil-Spec	Per Case
100	DT-06-100-SS-C	Stainless Steel	5.90/150.0	.181/4.6	.009"/.25mm	100 lb.	1.57/40.0	UL	1,000
100	DT-08-100-SS-C	Stainless Steel	7.87/200.0	.181/4.6	.009"/.25mm	100 lb.	1.96/50.0	UL	1,000
100	DT-14-100-SS-C	Stainless Steel	14.17/360.0	.181/4.6	.009"/.25mm	100 lb.	3.94/100.0	UL	1,000
100	DT-20-100-SS-C	Stainless Steel	20.47/520.0	.181/4.6	.009"/.25mm	100 lb.	5.90/150.0	UL	1,000
100	DT-27-100-SS-C	Stainless Steel	26.77/680.0	.181/4.6	.009"/.25mm	100 lb.	7.87/200.0	UL	1,000
100	DT-06-250-SS-C	Stainless Steel	5.90/150.0	.311/7.9	.009"/.25mm	250 lb.	1.57/40.0	UL	1,000
100	DT-08-250-SS-C	Stainless Steel	7.87/200.0	.311/7.9	.009"/.25mm	250 lb.	1.97/50.0	UL	1,000
100	DT-14-250-SS-C	Stainless Steel	14.17/360.0	.311/7.9	.009"/.25mm	250 lb.	3.94/100.0	UL	1,000
100	DT-20-250-SS-C	Stainless Steel	20.47/520.0	.311/7.9	.009"/.25mm	250 lb.	5.90/150.0	UL	1,000
100	DT-27-250-SS-C	Stainless Steel	26.77/680.0	.311/7.9	.009"/.25mm	250 lb.	7.87/200.0	UL	1,000

Tolerance: = +-.003"/.76mm
ROHS compliant. Sold in bag quantities.
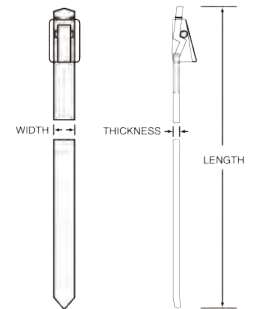
316 Coated Stainless Steel - 100lb. and 250lb.

Per Bag	Part No.	Material	Length inch/mm	Width inch/mm	Metal Thickness	Tie Tensile	Diameter inch/mm	UL-CSA Mil-Spec	Per Case
100	DT-06-100-SS-CT-C	Stainless Steel	5.90/150.0	.181/4.6	.009"/.25mm	100 lb.	1.57/40.0	UL	1,000
100	DT-08-100-SS-CT-C	Stainless Steel	7.87/200.0	.181/4.6	.009"/.25mm	100 lb.	1.96/50.0	UL	1,000
100	DT-14-100-SS-CT-C	Stainless Steel	14.17/360.0	.181/4.6	.009"/.25mm	100 lb.	3.94/100.0	UL	1,000
100	DT-20-100-SS-CT-C	Stainless Steel	20.47/520.0	.181/4.6	.009"/.25mm	100 lb.	5.90/150.0	UL	1,000
100	DT-27-100-SS-CT-C	Stainless Steel	26.77/680.0	.181/4.6	.009"/.25mm	100 lb.	7.87/200.0	UL	1,000
100	DT-06-250-SS-CT-C	Stainless Steel	5.90/150.0	.311/7.9	.009"/.25mm	250 lb.	1.57/40.0	UL	1,000
100	DT-08-250-SS-CT-C	Stainless Steel	7.87/200.0	.311/7.9	.009"/.25mm	250 lb.	1.97/50.0	UL	1,000
100	DT-14-250-SS-CT-C	Stainless Steel	14.17/360.0	.311/7.9	.009"/.25mm	250 lb.	3.94/100.0	UL	1,000
100	DT-20-250-SS-CT-C	Stainless Steel	20.47/520.0	.311/7.9	.009"/.25mm	250 lb.	5.90/150.0	UL	1,000
100	DT-27-250-SS-CT-C	Stainless Steel	26.77/680.0	.311/7.9	.009"/.25mm	250 lb.	7.87/200.0	UL	1,000

Thickness including Coating .016"/.40mm
Tolerance: = +-.003"/.76mm
ROHS compliant. Sold in bag quantities.

www.ppc-online.com

Customer Support: **800.800.6652**

Diamond® Fastening Hardware

Stainless Steel Cable Ties

316 Uncoated Ladder Style Stainless Steel - 100lb. and 250lb.

Per Bag	Part No.	Material	Length inch/mm	Width inch/mm	Metal Thickness	Tie Tensile	Diameter inch/mm	UL-CSA Mil-Spec	Per Case
100	DT-06-100-SS-LD-C	Stainless Steel	5.90/150.0	.275/7.0	.011"/.30mm	100 lb.	1.96/50.0	UL	1,000
100	DT-08-100-SS-LD-C	Stainless Steel	7.87/200.0	.275/7.0	.011"/.30mm	100 lb.	2.36/60.0	UL	1,000
100	DT-14-100-SS-LD-C	Stainless Steel	14.17/360.0	.275/7.0	.011"/.30mm	100 lb.	4.13/105.0	UL	1,000
100	DT-24-100-SS-LD-C	Stainless Steel	23.62/600.0	.275/7.0	.011"/.30mm	100 lb.	5.70/145.0	UL	1,000
100	DT-30-100-SS-LD-C	Stainless Steel	29.52/750.0	.275/7.0	.011"/.30mm	100 lb.	7.87/200.0	UL	1,000
100	DT-06-250-SS-LD-C	Stainless Steel	5.90/150.0	.472/12.0	.013"/.35mm	250 lb.	1.96/50.0	UL	1,000
100	DT-08-250-SS-LD-C	Stainless Steel	7.87/200.0	.472/12.0	.013"/.35mm	250 lb.	2.36/60.0	UL	1,000
100	DT-14-250-SS-LD-C	Stainless Steel	14.17/360.0	.472/12.0	.013"/.35mm	250 lb.	4.13/105.0	UL	1,000
100	DT-24-250-SS-LD-C	Stainless Steel	23.62/600.0	.472/12.0	.013"/.35mm	250 lb.	5.70/145.0	UL	1,000
100	DT-30-250-SS-LD-C	Stainless Steel	29.52/750.0	.472/12.0	.013"/.35mm	250 lb.	7.87/200.0	UL	1,000

Tolerance: = +-.003"/.76mm
ROHS compliant. Sold in bag quantities.

316 Coated Ladder Style Stainless Steel - 100lb. and 250lb.

Per Bag	Part No.	Material	Length inch/mm	Width inch/mm	Metal Thickness	Tie Tensile	Diameter inch/mm	UL-CSA Mil-Spec	Per Case
100	DT-06-100-SS-LD-CT-C	Stainless Steel	5.90/150.0	.275/7.0	.012"/.30mm	100 lb.	1.96/50.0	UL	1,000
100	DT-08-100-SS-LD-CT-C	Stainless Steel	7.87/200.0	.275/7.0	.012"/.30mm	100 lb.	2.36/60.0	UL	1,000
100	DT-14-100-SS-LD-CT-C	Stainless Steel	14.17/360.0	.275/7.0	.012"/.30mm	100 lb.	4.13/105.0	UL	1,000
100	DT-24-100-SS-LD-CT-C	Stainless Steel	23.62/600.0	.275/7.0	.012"/.30mm	100 lb.	5.70/145.0	UL	1,000
100	DT-30-100-SS-LD-CT-C	Stainless Steel	29.52/750.0	.275/7.0	.012"/.30mm	100 lb.	7.87/200.0	UL	1,000
100	DT-06-250-SS-LD-CT-C	Stainless Steel	5.90/150.0	.472/12.0	.013"/.35mm	250 lb.	1.96/50.0	UL	1,000
100	DT-08-250-SS-LD-CT-C	Stainless Steel	7.87/200.0	.472/12.0	.013"/.35mm	250 lb.	2.36/60.0	UL	1,000
100	DT-14-250-SS-LD-CT-C	Stainless Steel	14.17/360.0	.472/12.0	.013"/.35mm	250 lb.	4.13/105.0	UL	1,000
100	DT-24-250-SS-LD-CT-C	Stainless Steel	23.62/600.0	.472/12.0	.013"/.35mm	250 lb.	5.70/145.0	UL	1,000
100	DT-30-250-SS-LD-CT-C	Stainless Steel	29.52/750.0	.472/12.0	.013"/.35mm	250 lb.	7.87/200.0	UL	1,000

Thickness including Coating .018"/.45mm
Tolerance: = +-.003"/.76mm
ROHS compliant. Sold in bag quantities.

316 Uncoated Spring Style Stainless Steel - 100lb. and 250lb.

Per Bag	Part No.	Material	Length inch/mm	Width inch/mm	Metal Thickness	Tie Tensile	Diameter inch/mm	UL-CSA Mil-Spec	Per Case
100	DT-08-100-SS-SP-C	Stainless Steel	7.87/200.0	.181/4.6	.009"/.25mm	100 lb.	1.96/50.0	UL	1,000
100	DT-14-100-SS-SP-C	Stainless Steel	14.17/360.0	.181/4.6	.009"/.25mm	100 lb.	3.94/100.0	UL	1,000
100	DT-20-100-SS-SP-C	Stainless Steel	20.47/520.0	.181/4.6	.009"/.25mm	100 lb.	5.90/150.0	UL	1,000
100	DT-08-250-SS-SP-C	Stainless Steel	7.87/200.0	.311/7.9	.009"/.25mm	250 lb.	1.96/50.0	UL	1,000
100	DT-14-250-SS-SP-C	Stainless Steel	14.17/360.0	.311/7.9	.009"/.25mm	250 lb.	3.93/100.0	UL	1,000
100	DT-20-250-SS-SP-C	Stainless Steel	20.47/520.0	.311/7.9	.009"/.25mm	250 lb.	5.90/150.0	UL	1,000

Tolerance: = +-.003"/.76mm
ROHS compliant. Sold in bag quantities.

Apply where tension on solid objects must be maintained.

Diamond® Fastening Hardware

Stainless Steel Cable Ties, Identification Cable Ties

Apply where tension on solid objects must be maintained.

316 Coated Spring Style Stainless Steel - 100lb. and 250lb.

Per Bag	Part No.	Material	Length inch/mm	Width inch/mm	Metal Thickness	Tie Tensile	Diameter inch/mm	UL-CSA Mil-Spec	Per Case
100	DT-08-100-SS-SP-CT-C	Stainless Steel	7.87/200.0	.181/4.6	.009"/.25mm	100 lb.	1.96/50.0	UL	1,000
100	DT-14-100-SS-SP-CT-C	Stainless Steel	14.17/360.0	.181/4.6	.009"/.25mm	100 lb.	3.93/100.0	UL	1,000
100	DT-20-100-SS-SP-CT-C	Stainless Steel	20.47/520.0	.181/4.6	.009"/.25mm	100 lb.	5.90/150.0	UL	1,000
100	DT-08-250-SS-SP-CT-C	Stainless Steel	7.87/200.0	.311/7.9	.009"/.25mm	250 lb.	1.96/50.0	UL	1,000
100	DT-14-250-SS-SP-CT-C	Stainless Steel	14.17/360.0	.311/7.9	.009"/.25mm	250 lb.	3.93/100.0	UL	1,000
100	DT-20-250-SS-SP-CT-C	Stainless Steel	20.47/520.0	.311/7.9	.009"/.25mm	250 lb.	5.90/150.0	UL	1,000

Thickness including Coating .013"/.33mm
Tolerance: = +-.003"/.76mm
ROHS compliant. Sold in bag quantities.

Identification and Flag - 18lb. and 50lb. - Natural and Black

Per Bag	Part No.	Color & Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Pad Size	Diameter inch/mm	UL-CSA Mil-Spec	Per Case
100	DT-04-18-ID-9-C	Natural Nylon	4.0/101.6	.100/2.54	.044/1.117	18 lb.	.312"x1"	.984/25.0	RU	5,000
100	DT-04-18-FL-9-C	Natural Nylon	4.3/110.0	.100/2.54	.044/1.117	18 lb.	.312"x1"	.984/25.0	RU	5,000
100	DT-07-50-ID-9-C	Natural Nylon	7.8/200.0	.181/4.59	.055/1.397	50 lb.	.5"x1.1"	1.969/50.0	RU	5,000
100	DT-07-50-ID-0-C	Black Nylon	7.8/200.0	.181/4.59	.055/1.397	50 lb.	.5"x1.1"	1.969/50.0	RU	5,000
100	DT-14-50-ID-9-C	Natural Nylon	14.17/360.0	.187/4.749	.055/1.397	50 lb.	.5"x1.1"	2.953/75.0		5,000

Tolerance: = +-.003"/.76mm
ROHS compliant. Sold in case quantities.

One easy step to identify and bundle items.

Flag Ties extend from bundle to be easily seen when identification is critical.

Identification Ties reduce snags while providing support to the bundle.

Identification Plates
See Cable Tie
Accessories

04-18-ID

04-18-FL

07-50-ID
14-50-ID
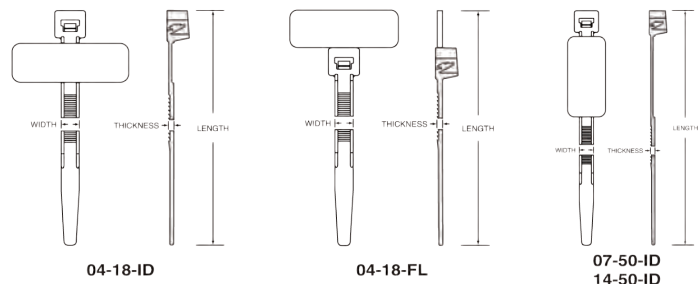
Diamond® Fastening Hardware
Beaded Cable Ties, Push Mount Cable Ties

Beaded - Natural

Per Bag	Part No.	Color and Material	Length inch/mm	Head Width inch/mm	Head Length inch/mm	Bead Diameter inch/mm	Bead to Bead inch/mm	Maximum Bundle inch/mm	Per Case
100	**DT-04-BD-9-C**	Natural Nylon	4.0/101.6	.20/5.08	.35/8.89	.09/2.28	.13/3.30	1.0/25.4	10,000
100	**DT-06-BD-9-C**	Natural Nylon	6.0/152.4	.29/7.36	.57/14.47	.11/2.79	.17/4.31	1.5/38.1	10,000
100	**DT-08-BD-9-C**	Natural Nylon	8.93/226.8	.38/9.65	.85/21.59	.15/3.81	.29/7.36	2.5/63.5	5,000

Tolerance: = +-.003"/.76mm
ROHS compliant. Sold in case quantities.
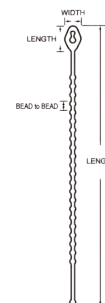
Temporary bundling allows for quick addition or removal of wires or items.

Rounded design eliminates snags, cuts, and abrasions.

No Installation Tools required. Tail beads securely snap into head.

Push Mount - Wing and Non-Wing - 40lb. and 50lb. - Natural and Black

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	Hole Size inch/mm	Panel inch/mm	Per Case
1,000	**DT-06-40-PMW-9-M**	Natural Nylon								
100	**DT-06-40-PMW-9-C**	Natural Nylon								
1,000	**DT-06-40-PMW-0-M**	UV Black Nylon								
100	**DT-06-40-PMW-0-C**	UV Black Nylon								
1,000	**DT-06-40-PMW-32-M**	Heat Stabilized Natural Nylon	6.2/158.2	.140/3.55	.049/1.244	40 lb.	1.43/36.49	.181/4.59	.09/2.36	10,000
100	**DT-06-40-PMW-32-C**	Heat Stabilized Natural Nylon								
1,000	**DT-06-40-PMW-30-M**	Heat Stabilized Black Nylon								
100	**DT-06-40-PMW-30-C**	Heat Stabilized Black Nylon								
100	**DT-07-50-PM-9-C**	Natural Nylon	7.9/203.0	.189/4.80	.062/1.574	50 lb.	1.969/50.00	.252/6.40	.14/3.55	5,000
100	**DT-07-50-PM-0-C**	Black Nylon								
100	**DT-07-50-PMW-9-C**	Natural Nylon	7.9/203.0	.189/4.80	.062/1.574	50 lb.	1.969/50.00	.236/6.00	.11/2.80	5,000
100	**DT-07-50-PMW-0-C**	Black Nylon								

6" UL Recognized and CSA Approved
Tolerance: = +-.003"/.76mm
ROHS compliant. Sold in case quantities.

Quick mounting one piece design securely attaches bundle to panel.

Extra stability is created from the tensioning wings.

Thickness variations in materials is easily overcome with tension wings.
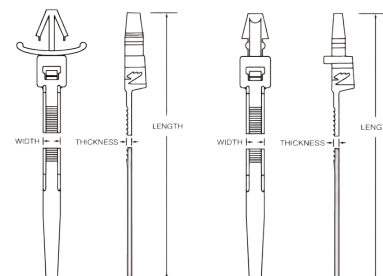
Diamond® Fastening Hardware
Air Handling Cable Ties

Air Handling

Per Bag	Part No.	Color	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	UL-CSA	Per Case
100	**DT-07-50-P-C**	Burgundy	7.56/192.07	.180/4.572	.052/1.320	50 lb.	1.875/47.625	UL-CSA	5,000
100	**DT-11-50-P-C**	Burgundy	11.25/285.75	.180/4.572	.052/1.320	50 lb.	3.062/77.787	UL-CSA	5,000
100	**DT-14-50-P-C**	Burgundy	14.56/369.87	.180/4.572	.052/1.320	50 lb.	4.125/104.775	UL-CSA	5,000

UL Listed, Suitable for use in Air Handling Spaces (Plenums) in accordance with the Section 300.22 (C) and (D) of the National Electrical Code and Rules 12-010 (3), (4), and (5) and 12-020 of the Canadian Electrical Code, Part 1.
Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32"
MH = Mounting Hole head style, #10 Screw Size.
LP = Low profile head style.
Bulk packaging available with minimum buy and 2 week lead time.
ROHS compliant. Sold in case quantities.

Ideal Applications: Air Handling spaces, above drop ceilings and below raised flooring.

Meets UL 1565 low smoke generation, low heat release and mechanical strength test.

UL Listed. Suitable for use in Air Handling Spaces (Plenums) in accordance with the Section 300.22 (C) and (D) of the National Electrical Code and Rules 12-010 (3), (4), (5) and 12-020 of the Canadian Electrical Code, Part 1.

Mounting hole style secures and positions wire bundles, cables, etc. to surfaces with one mechanical fastener.

Low profile style reduced head height increases safety, eliminates snags, cuts, and abrasions to cables, surrounding products and users.
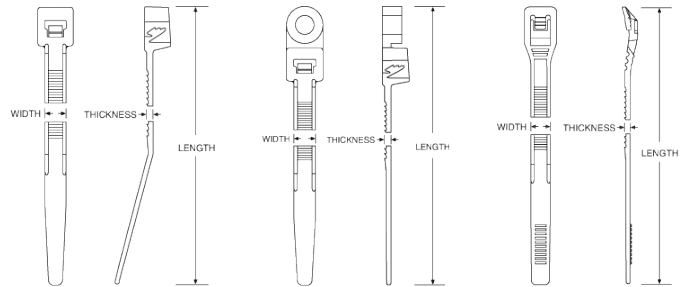
Definition of "Air Handling Spaces"
4.2 Air Handling Spaces - Ducts or plenums used for environmental air and other spaces used for environmental air, such as above hung ceilings or below raised floors. This does not include plenums used for the removal of dust, loose stock, or vapor, or for ventilation of commercial-type cooking equipment.

Note: Information Source: UL 1565 CSA C22.2 4th Edition

*UL is not affiliated with ACT Fastening Solutions, a division of Advanced Cable Ties, Inc. and does not endorse ACT Fastening Solutions

Diamond® Fastening Hardware

Cold Weather Cable Ties, Cable Tie Mounting Pads

Cold Weather

Per Bag	Part No.	Color	Length inch/mm	Width inch/mm	Thickness inch/mm	Tie Tensile	Diameter inch/mm	Per Case
100	DT-07-50-CW-0-C	Black	7.56/192.07	.180/4.572	.052/1.320	50 lb.	1.875/47.625	10,000
100	DT-11-50-CW-0-C	Black	11.25/285.75	.180/4.572	.052/1.320	50 lb.	3.062/77.787	5,000
100	DT-14-50-CW-0-C	Black	14.25/361.95	.180/4.572	.052/1.320	50 lb.	4.00/101.60	5,000
100	DT-14-120-CW-0-C	Black	15.09/383.36	.300/7.620	.076/1.930	120 lb.	4.06/103.18	2,000

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32"
ROHS compliant. Sold in case quantities.

Enhanced flexibility and strength compared to standard nylon ties.

Severe cold temperature applications tested performance at -20 C / -4 F.

Material rated at -40 C / -40 F per ISO180.

Mounting Pads, Rubber Adhesive, Natural and Black

Per Bag	Part No.	Color and Material	Length inch/mm	Height inch/mm	Slot Height inch/mm	Slot Width inch/mm	Screw Size	ЯU-CSA Mil-Spec	Per Case
100	DT-MP-750-9-C	Natural Nylon	.74/18.79	.19/4.82	.05/1.27	.20/5.08	#4	ЯU-CSA	1,000
100	DT-MP-750-0-C	Black Nylon							
100	DT-MP-1000-9-C	Natural Nylon	.99/25.14	.20/5.08	.06/1.52	.20/5.08	#6	ЯU-CSA	1,000
100	DT-MP-1000-0-C	Black Nylon							

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32"
White release paper.
ROHS compliant. Sold in case quantities.

DT-MP-750* for use with 18-40 lbs. Cable Ties
DT-MP-100* for use with 18-50 lbs. Cable Ties

Saves Cable Tie cinching time.
Patented stay-n-place tab keeps cable tie head from sliding down behind bundle during vertical applications and maintains placement during horizontal applications.

Easy insertion of Cable Ties.
Patented lead-n-feature funnels cable ties into position and countersunk screw hole allows cable tie to easily pass over screw head.

Saves positioning time with the 4 sided entry and center screw hole.
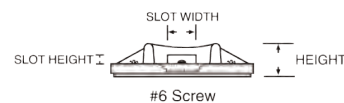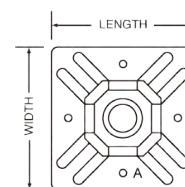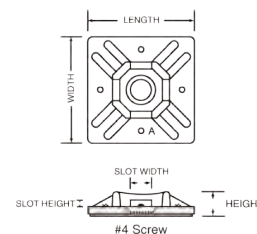
Diamond® Fastening Hardware

Cable Tie Mounting Pads, Mounting Pad Adhesive

F

Mounting Pads, Acrylic Adhesive, Natural and Black

Per Bag	Part No.	Color and Material	Length inch/mm	Height inch/mm	Slot Height inch/mm	Slot Width inch/mm	Screw Size	ЯU-CSA Mil-Spec	Per Case
100	DT-MPA-750-9-C	Natural Nylon	.74/18.79	.19/4.82	.05/1.27	.20/5.08	#4	ЯU-CSA	1,000
100	DT-MPA-750-0-C	Black Nylon							
100	DT-MPA-1000-9-C	Natural Nylon	.99/25.14	.20/5.08	.06/1.52	.20/5.08	#6	ЯU-CSA	1,000
100	DT-MPA-1000-0-C	Black Nylon							

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32"
3-4 week lead time and 5,000 piece minimum order for acrylic adhesive.
Blue release paper.
ROHS compliant. Sold in case quantities.

DT-MP-750* for use with 18-40 lbs. Cable Ties
DT-MP-100* for use with 18-50 lbs. Cable Ties

Mounting Pads, Non-Taped, Natural and Black

Per Bag	Part No.	Color and Material	Length inch/mm	Height inch/mm	Slot Height inch/mm	Slot Width inch/mm	Screw Size	ЯU-CSA Mil-Spec	Per Case
100	DT-MP-750-NT-9-C	Natural Nylon	.74/18.79	.19/4.82	.05/1.27	.20/5.08	#4	ЯU-CSA	1,000
100	DT-MP-750-NT-0-C	Black Nylon							
100	DT-MP-1000-NT-9-C	Natural Nylon	.99/25.14	.20/5.08	.06/1.52	.20/5.08	#6	ЯU-CSA	1,000
100	DT-MP-1000-NT-0-C	Black Nylon							

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32"
UL Recognized - CSA approved with mechanical fastener.
ROHS compliant. Sold in case quantities.

DT-MP-750* for use with 18-40 lbs. Cable Ties
DT-MP-100* for use with 18-50 lbs. Cable Ties

#4 Screw

#6 Screw
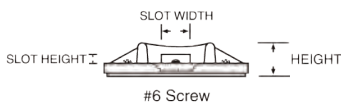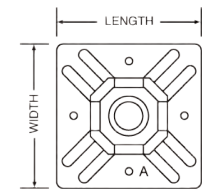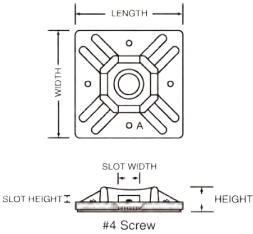
Mounting Pad Adhesive

Per Clam	Part No.	Color and Material	Grams Per Tube	Approximate Dots Per Tube	Full Cure Time	Per Case
100	DT-MP-ADHESIVE	Clear Cyanoacrlate	20 net weight	200	24 Hours	10

Reference MSD sheets for full details.
Sold in case quantities.

Designed for poorly mating surfaces that require gap filling or bonding unlike substrates.

No drip or slump gel. Ideal for vertical applications, sets in minutes.

Wide array of substrates. Nylon, Phenolic Materials, Polycarbonate, PVC, ABS, Rubber, Zinc Dichromate, Aluminum, Degreased Steel, Powder Coated Substrates.

Diamond® Fastening Hardware

Cable Tie Screw Mounts

ROHS COMPLIANT ENVIRONMENTALLY FRIENDLY

Standard Screw Mounts, Natural and Black

Per Bag	Part No.	Color and Material	Length inch/mm	Height inch/mm	Width inch/mm	Slot Height inch/mm	Slot Width inch/mm	Screw Size	ЯU-CSA Mil-Spec	Per Case
100	DT-SM0-9-C	Natural Nylon	.59/15.0	.27/7.0	.39/10.0	.06/1.5	.20/5.01	#4		1,000
100	DT-SM0-0-C	Black Nylon								
100	DT-SM1-9-C	Natural Nylon	.59/15.0	.27/7.0	.37/9.3	.06/1.5	.19/4.8	#6		1,000
100	DT-SM1-0-C	Black Nylon								
100	DT-SM2-9-C	Natural Nylon	.87/22.1	.38/9.6	.64/16.2	.12/3.1	.30/7.6	1/4"		1,000
100	DT-SM2-0-C	Black Nylon								
100	DT-SM3-9-C	Natural Nylon	.90/23.0	.35/9.0	.63/16.0	.12/3.1	.35/9.0	#10		1,000
100	DT-SM3-0-C	Black Nylon								
100	DT-SM8-9-C	Natural Nylon	.62/15.7	.25/6.3	.37/9.3	.06/1.5	.19/4.8	#8		1,000
100	DT-SM8-0-C	Black Nylon								

Tolerance: +-.03/.76mm
ROHS compliant. Sold in case quantities.

Secure support. Deep cradle design provides maximum support for larger bundles and tubing.

Easy insertion of Cable Ties. Deep recessed screw hole allows cable ties to pass over screw head.

Low Profile Screw Mounts, Natural

Per Bag	Part No.	Color and Material	Length inch/mm	Height inch/mm	Width inch/mm	Slot Height inch/mm	Slot Width inch/mm	Screw Size	ЯU-CSA Mil-Spec	Per Case
100	DT-LPM1-9-C	Natural Nylon	.75/19.05	.12/3.04	.50/12.70	.062/1.587	.18/4.57	#8		1,000

Tolerance: +-.03/.76mm
ROHS compliant. Sold in case quantities.

Reduces snags allowing bundles closer proximity to mounting material.

Confined spaces and control panels or other areas where space is limited.

Achieve extreme low height when combined with ACT's Cobra - Low Profile Cable Tie.

Diamond® Fastening Hardware
Cable Tie Mounts

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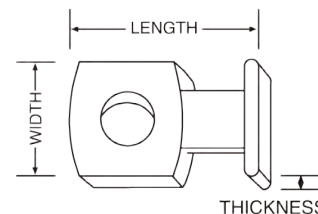
Anchor Mounts, Natural

Per Bag	Part No.	Color and Material	Length inch/mm	Height inch/mm	Width inch/mm	Slot Width inch/mm	Hole inch/mm	Screw Size	Per Case
100	DT-AM6-9-C	Natural Nylon	.771/19.6	.196/5.0	.374/9.5	.20/5.2	.145/3.7	#6	1,000
100	DT-AM8-9-C	Natural Nylon	.751/19.1	.244/6.2	.393/10.0	.20/5.2	.165/4.2	#8	1,000

Tolerance: +-.03/.76mm
ROHS compliant. Sold in case quantities.

AL-AM6-9-C · AL-AM8-9-C
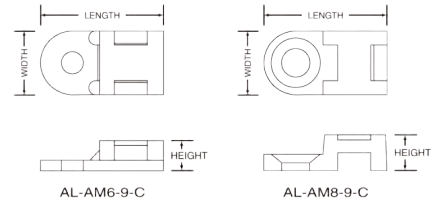
Saves positioning time with the 4 sided entry allowing parallel or perpendicular bundle alignment.

Confined spaces and control panels or other areas where space is limited.

Quickly secures and positions wire bundles, cables, hoses, etc. to panels.

Easy insertion of Cable Ties through wide entry slot.

Wing Push Mounts, Natural

Per Bag	Part No.	Color and Material	Height inch/mm	Depth inch/mm	Wing Width inch/mm	Head Width inch/mm	Slot Width inch/mm	Mount Width inch/mm	Hole inch/mm	Per Case
100	DT-PMW-9-C	Natural Nylon	.732/18.6	.374/9.5	.79/20.1	.422/10.72	.31/8.1	.244/6.2	.25/6.3	1,000

Tolerance: +-.03/.76mm
ROHS compliant. Sold in case quantities.
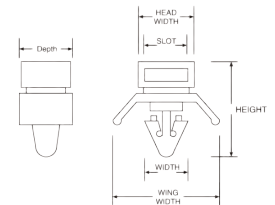
Button Mounts, Black

Per Bag	Part No.	Color and Material	Height inch/mm	Exposed inch/mm	Shaft Length inch/mm	Button Diameter inch/mm	Slot Width inch/mm	Shaft Diameter inch/mm	Hole inch/mm	Per Case
100	DT-BM-0-C	Black Nylon	.535/13.6	.248/6.3	.287/7.3	.634/16.12	.196/5.0	.299/7.6	.25/6.3	1,000

Tolerance: +-.03/.76mm
ROHS compliant. Sold in case quantities.
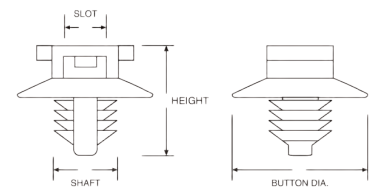
One piece design allows for quicker mounting with no mechanical fastener reducing time and cost.

Easy insertion of Cable Ties through wide entry slot.

Quickly secures and positions wire bundles, cables, hoses, etc. to panels.

Extra stability is created from the push mount tensioning wings.

Saves Cable Tie cinching time. The button mount's stay-n-place tab keeps cable ties from sliding during application.

Diamond® Fastening Hardware

Cable Tie Mounts, Identification Plates

Wall Mounts, Black

Per Bag	Part No.	Color and Material	Shaft Height inch/mm	Head Height inch/mm	Shaft Diameter inch/mm	Head Width inch/mm	Slot Width inch/mm	Head Depth inch/mm	Hole inch/mm	Per Case
100	DT-WM-0-C	Black Nylon	1.45/37.0	.248/6.3	.393/10.0	.50/12.7	.381/9.7	.492/12.5	.32/8.1	1,000

Tolerance: +-.03/.76mm
ROHS compliant. Sold in case quantities.
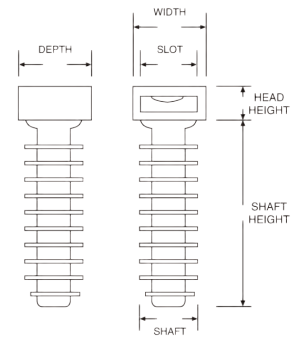
Saves Cable Tie cinching time. The stay-n-place tab keeps cable tie head from sliding down behind bundle during vertical applications and maintains placement during horizontal applications.

Quickly secures and positions wire bundles, cables, hoses, etc. to walls.

One piece design allows for quicker mounting with no mechanical fastener reducing time and cost.

Identification Plates, Natural

Per Bag	Part No.	Color and Material	Length inch/mm	Width inch/mm	Thickness inch/mm	Slot Height inch/mm	Slot Width inch/mm	ЯU-CSA Mil-Spec	Per Case
100	DT-IDP1-9-C	Natural Nylon	1.57/40.0	.787/20.0	.039/1.0	.08/2.03	.18/4.57		1,000
100	DT-IDP2-9-C	Natural Nylon	2.36/60.0	.984/25.0	.039/1.0	.08/2.03	.18/4.57		1,000

Tolerance: +-.03/.76mm
ROHS compliant. Sold in case quantities.
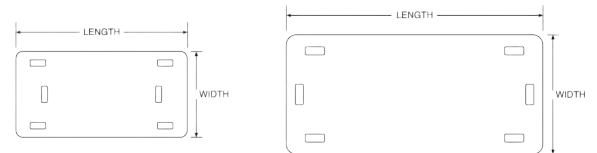
Allows larger print when information and visibility is critical.

Increased surface area provides twice the area as conventional identification cable ties.

Orientation variety. Apply to bundle vertically or horizontally.

Diamond® Fastening Hardware
Cable Tie Specialty Packs

ROHS COMPLIANT
ENVIRONMENTALLY FRIENDLY

F

Saves time with the 3 easy access doors.

No more sorting. The individual compartments eliminate the hassle and time spent searching through various sizes in a canister.

Easy storage designed to fit into tool boxes or hang on peg boards.

Exceptional value compared to purchasing items separately.

Standard DTPACs

Total Pieces	Part No./ Color & Material/ ЯU-CSA	Component Part Number	Component Quantities	Length inch/mm	Tie Tensile	Diameter inch/mm	Mil-Spec	Per Case
400	DTPAC-400-9 Natural Nylon ЯU-CSA	DT-11-50-9	100	11.25/285.75	50 lb.	3.062/77.787	MS3367-7	20
		DT-07-50-9	100	7.56/192.07	50 lb.	1.875/47.625	MS3367-1	
		DT-04-18-9	200	4.12/104.77	18 lb.	.845/22.225	MS3367-4	
400	DTPAC-400-0 UV Black Nylon ЯU-CSA	DT-11-50-0	100	11.25/285.75	50 lb.	3.062/77.787	MS3367-7	20
		DT-07-50-0	100	7.56/192.07	50 lb.	1.875/47.625	MS3367-1	
		DT-04-18-0	200	4.12/104.77	18 lb.	.845/22.225	MS3367-4	

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32".   Clam Shell dimensions: 15" x 7.125" x 2".   ROHS compliant. Sold in case quantities.

Tension Tool DTPACs

Total Pieces	Part No./ Color & Material/ ЯU-CSA	Component Part Number	Component Quantities	Length inch/mm	Tie Tensile	Diameter inch/mm	Mil-Spec	Per Case
401	DTPAC-401-DT100-9 Natural Nylon ЯU-CSA Cable Ties	DT-11-50-9	100	11.25/285.75	50 lb.	3.062/77.787	MS3367-7	20
		DT-07-50-9	100	7.56/192.07	50 lb.	1.875/47.625	MS3367-1	
		DT-04-18-9	200	4.12/104.77	18 lb.	.875/22.225	MS3367-4	
		DT-100	1	Twist Cut Off Tension Tool for 18lb. to 50lb. Cable Ties				
401	DTPAC-401-DT100-0 UV Black Nylon ЯU-CSA Cable Ties	DT-11-50-0	100	11.25/285.75	50 lb.	3.062/77.787	MS3367-7	20
		DT-07-50-0	100	7.56/192.07	50 lb.	1.875/47.625	MS3367-1	
		DT-04-18-0	200	4.12/104.77	18 lb.	.875/22.225	MS3367-4	
		DT-100	1	Twist Cut Off Tension Tool for 18lb. to 50lb. Cable Ties				

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32".   Clam Shell dimensions: 15" x 7.125" x 2".   ROHS compliant. Sold in case quantities.

3/4" Mounting Pad DTPACs

Total Pieces	Part No./ Color & Material/ ЯU-CSA	Component Part Number	Component Quantities	Length inch/mm	Tie Tensile	Diameter inch/mm	Mil-Spec	Per Case
300	DTPAC-300-MP750-9 Natural Nylon ЯU-CSA Ties & Mounts	DT-11-50-9	100	11.25/285.75	50 lb.	3.062/77.787	MS3367-7	20
		DT-07-50-9	100	7.56/192.07	50 lb.	1.875/47.625	MS3367-1	
		DT-MP-750-9	100	3/4" / #4 Screw / 18-50lb. Ties / Rubber Adhesive				
300	DTPAC-300-MP750-0 UV Black Nylon ЯU-CSA Ties & Mounts	DT-11-50-0	100	11.25/285.75	50 lb.	3.062/77.787	MS3367-7	20
		DT-07-50-0	100	7.56/192.07	50 lb.	1.875/47.625	MS3367-1	
		DT-MP-750-0	100	3/4" / #4 Screw / 18-50lb. Ties / Rubber Adhesive				

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32".   Clam Shell dimensions: 15" x 7.125" x 2".   ROHS compliant. Sold in case quantities. Please allow 2 week lead time.

1" Mounting Pad DTPACs

Total Pieces	Part No./ Color & Material/ ЯU-CSA	Component Part Number	Component Quantities	Length inch/mm	Tie Tensile	Diameter inch/mm	Mil-Spec	Per Case
250	DTPAC-250-MP1000-9 Natural Nylon ЯU-CSA Ties & Mounts	DT-11-50-9	100	11.25/285.75	50 lb.	3.062/77.787	MS3367-7	20
		DT-07-50-9	100	7.56/192.07	50 lb.	1.875/47.625	MS3367-1	
		DT-MP-1000-0	50	1" / #6 Screw / 18-50lb. Ties / Rubber Adhesive				
250	DTPAC-250-MP1000-0 UV Black Nylon ЯU-CSA Cable Ties	DT-11-50-0	100	11.25/285.75	50 lb.	3.062/77.787	MS3367-7	20
		DT-07-50-0	100	7.56/192.07	50 lb.	1.875/47.625	MS3367-1	
		DT-MP-1000-0	50	1" / #6 Screw / 18-50lb. Ties / Rubber Adhesive				

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32".   Clam Shell dimensions: 15" x 7.125" x 2".   ROHS compliant. Sold in case quantities. Please allow 2 week lead time.

Diamond® Fastening Hardware
Cable Tie Specialty Packs

ROHS COMPLIANT ENVIRONMENTALLY FRIENDLY

No more sorting. The individual compartments eliminates the hassle andtime spent searching through various sizes in a canister.

One Kit - All Jobs. Large variety of ties and mounts in an easy to carry case.

Adjustable and reusable case supplied with extra dividers.

Exceptional value compared to purchasing items separately.

DTKIT

Total Pieces	Part No./ Color & Material/ ꓵU-CSA	Component Part Number	Component Quantities	Length inch/mm	Tie Tensile	Diameter inch/mm	Mil-Spec	Per Case
801	**DTKIT-801-9** Natural Nylon ꓵU-CSA Cable Ties & Mounts	DT-04-18-9	100	4.12/104.77	18 lb.	.874/22.225	MS3367-4	5
		DT-05-40-9	100	5.84/148.33	40 lb.	1.437/36.512	MS3367-5	
		DT-07-50-9	100	7.56/192.07	50 lb.	1.875/47.625	MS3367-1	
		DT-14-50-9	100	14.56/369.87	50 lb.	4.125/104.775	MS3367-2	
		DT-07-50-MH-9	100	8.00/203.20	50 lb.	1.75/44.45		
		DT-07-50-LP-9	100	7.50/190.50	50 lb.	1.75/44.45	MS3367-23	
		DT-MP-750-9	100	3/4" / #4 Screw / 18-50lb. Ties / Rubber Adhesive				
		DT-MP-1000-9	100	1" / #6 Screw / 18-50lb. Ties / Rubber Adhesive				
		DT-100	1	Twist Cut Off Tension Tool for 18lb. to 50lb. Cable Ties				
801	**DTKIT-801-0** UV Black Nylon ꓵU-CSA Cable Ties & Mounts	DT-04-18-9	100	4.12/104.77	18 lb.	.874/22.225	MS3367-4	5
		DT-05-40-9	100	5.84/148.33	40 lb.	1.437/36.512	MS3367-5	
		DT-07-50-9	100	7.56/192.07	50 lb.	1.875/47.625	MS3367-1	
		DT-14-50-9	100	14.56/369.87	50 lb.	4.125/104.775	MS3367-2	
		DT-07-50-MH-9	100	8.00/203.20	50 lb.	1.75/44.45		
		DT-07-50-LP-9	100	7.50/190.50	50 lb.	1.75/44.45	MS3367-23	
		DT-MP-750-9	100	3/4" / #4 Screw / 18-50lb. Ties / Rubber Adhesive				
		DT-MP-1000-9	100	1" / #6 Screw / 18-50lb. Ties / Rubber Adhesive				
		DT-100	1	Twist Cut Off Tension Tool for 18lb. to 50lb. Cable Ties				

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32".
Nominal Case dimensions: 15" x 11.75" x 2.5".
ROHS compliant. Sold in case quantities.

No more fumbling with Ties with the easy to access pouches.

No more sorting. The individual pouches eliminate the hassle and time spent searching through various colors in a bag.

Easy to close. Just fold and go.

Easy to hang from nearby equipment.

High quality color concentrates produce color consistency time after time.

Ideal Applications: Color coding and identifying communication panels.

DTPOUCH

Total Pieces	Part No.	Component Part Number	Component Quantities	Length inch/mm	Tie Tensile	Diameter inch/mm	Mil-Spec	Per Case
300	**DTPOUCH-300**	DT-04-18-2,3, 4, 5, 6, 7	50	4.12/104.77	18 lb.	.875/22.225	MS3367-4	10

Tolerance: .xxx = +-.005, .xx = +-.015, Fraction = +-1/32".
UL Recognized and CSA Approved.
ROHS compliant. Sold in case quantities.
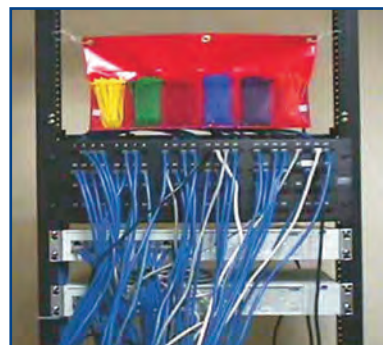
Plastic Anchors and Plastic Anchor Kits

- Used to anchor sheet metal or wood screws in masonry, cinder block or brick.
- Weather resistant UV inhibitor outdoor plastic.

Part Number	Description	Anchor Size	Screw Size	Drill Diameter	Inner Pack	Outer Pack
12-08210	Plastic Anchor Only	#1 x 7/8"L	#6, 8, 10	3/16"	100	1,500
12-08220	Plastic Anchor Only	#2 x 1"L	#10, 12	1/4"	100	1,500
12-08230	Plastic Anchor Only	#3 x1-1/4"L	#14, 16	5/16"	50	750
12-58210	Drill Bit Incl. in Kit*	#1 x1-7/8"L	#8	3/16"	1	10
12-58220	Drill Bit Incl. in Kit*	#2 x 1"L	#10	1/4"	1	24

* Kit includes Anchors, Screws and 4" Drill Bit

Self-Tapping Screws

- Hardened steel self-tapping screw zinc plated ASTM B633.

Part Number	Description	Size	Inner Pack	Outer Pack
17-00003	Slotted 5/16" Hex Head Self-Tapping Screw	#10/12 x 1-1/2"	100	1,000
17-00012	Phillips 1/4" Hex Head Self-Tapping Screw	#8 x 1"	100	1,000
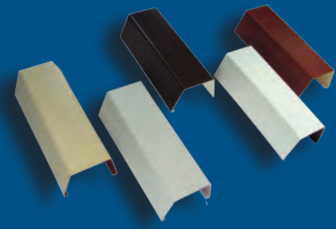
CableReady Products

Index G

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G

CableReady
PPC Belden Recognized Worldwide

PPC - A Belden Brand is a manufacturing company serving the security, cable TV, home entertainment, commercial and broadcast industries. PPC Belden is recognized worldwide for our CableReady molding, ProSNS™ Snap-N-Seal® compression connectors and Cable Pro compression tools. The tools and connectors utilize our patented 360º compression technology making them the most durable system on the market. Headquartered in East Syracuse, NY, USA, PPC Belden encompasses divisions such as Cable Pro, compression tools and accessories, CableReady, cable molding, ProSNS™ Snap-N-Seal® compression connectors and PowerTronics, power supplies. PPC Belden's CableReady cable molding and accessories are manufactured in the USA. This allows us to oversee the products from conception, to fabrication and lastly at inspection. We can assure our customers that they are receiving a quality made product built to last.

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Visit www.ppc-online.com for detailed information on all PPC Belden products.
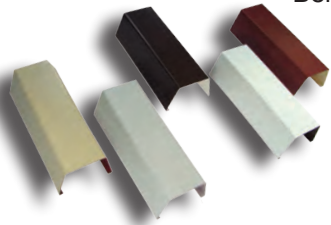
PPC Belden utilizes a proprietary roll form machine to produce exact sizes of cable molding.

The punch out machine creates custom formed accessories that include corners, tee fitting's and outlet boxes.

Revolutionizing The Cable Molding Industry

CABLEREADY offers a series of protective molding developed to meet the needs of the ever-changing cabling industry.

In response to industry demands and with many years of multi-unit construction experience, CABLEREADY designers were able to develop a protective molding raceway that not only meets but exceeds the cable industry's standards. CABLEREADY has since been an industry leader in developing the most innovative solutions to the challenges that installers must face when working with cable molding. CABLEREADY molding is available in straight run, transitions, right angles, Tee Fittings, and much more to ensure a professional solution to any installation.

Our molding is made of 26 gauge Galvalume® steel. Galvalume® lasts longer and is far more durable than G90 hot dipped steel or plastic molding systems. All products can be used for indoor and outdoor applications.

In the past, system operators, installers and apartment owners have settled for plastic moldings that were difficult to install, re-enter and re-install with an effective product life of only two to three years.
Users have had to put up with plastic moldings that would crack, shift, discolor, warp and literally falloff the walls of buildings.

All products are guaranteed against cracking, warping, discoloring, blistering or peeling due to ultraviolet rays or harsh weather conditions for 15 years.

CableReady's unique molding holds these US patented numbers: 5,523,529, 5,732,747 and 6,437,247

www.ppc-online.com Customer Support: **800.800.6652**
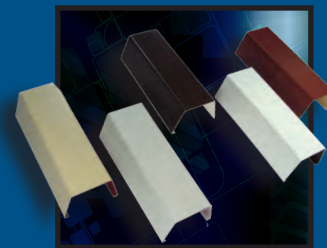
CableReady
Molding Colors

Brown
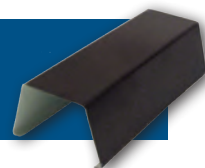
Ivory
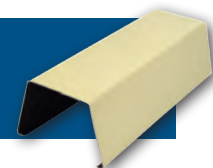
White
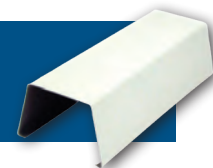
Redwood
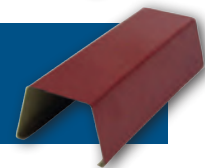
Light Gray
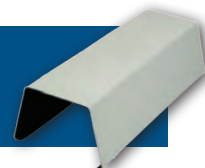
ORDERING GUIDE

*Use two letter suffix to designate color when ordering:

IV	Ivory	**BR**	Brown
RW	Redwood	**LG**	Light Gray
WH	White		

Example: **SR050WH** = 1/2" x 8' White Molding

CableReady

Features

CableReady Features

1/2" MOLDING

3/4" MOLDING

1" MOLDING

2" MOLDING

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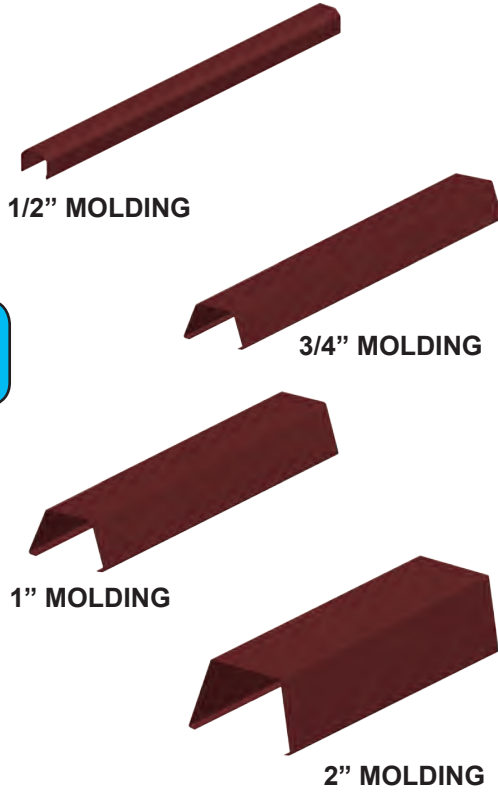
- All molding is available in five colors and four sizes
- We offer transitions between sizes
- Can be applied for interior or exterior use
- Greater cable capacity
- 15 year warranty!

Part Number	Description	A	B	C	Ft./box
SR050*	1/2" x 8' Molding	7/16"	3/8"	5/8"	480
SR075*	3/4" x 8' Molding	13/16"	3/4"	1 3/8"	160
SR100*	1" x 8' Molding	1 1/4"	1 3/16"	2"	80
SR200*	2" x 8' Molding	2 3/16"	2"	3"	96

Straight Run must be ordered by box quantity
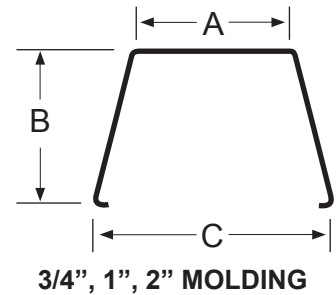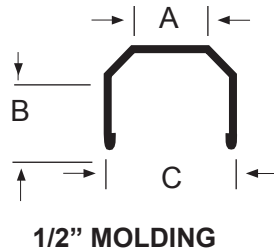
1/2" MOLDING

3/4", 1", 2" MOLDING

ORDERING GUIDE

* Use two letter suffix to designate color when ordering:

IV   Ivory   **BR**   Brown
RW   Redwood   **LG**   Light Gray
WH   White

Example: **SR050WH** = 1/2" x 8' White Molding
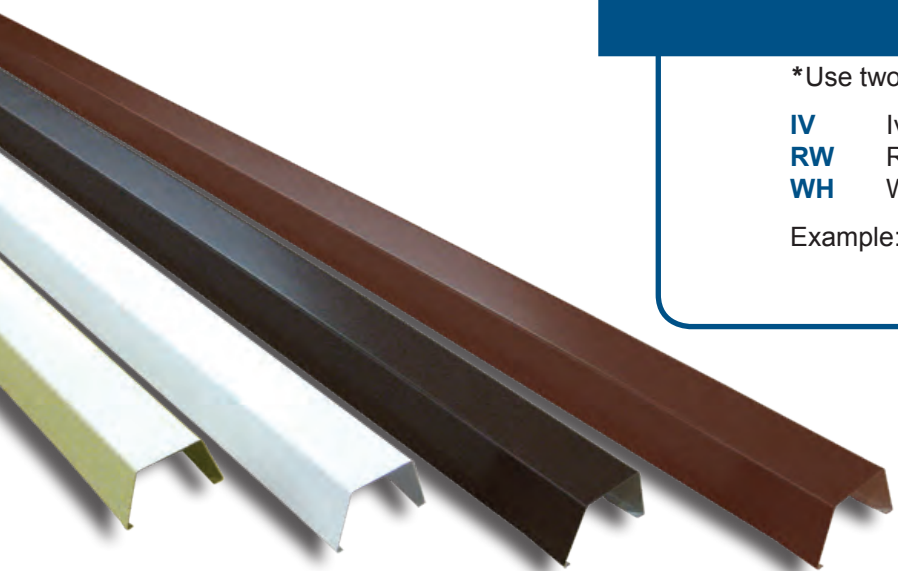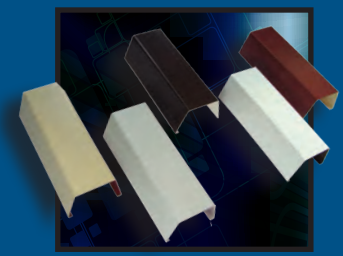
Straight Run
Standard Mounting

Straight Run

SR050

SR075

SR100
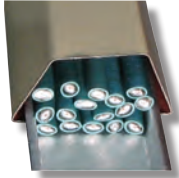
SR200

Part Number	Cable Capacity	Ft./box	Shipping Weight Per Box
SR050	2 RG-6's	480	55 lbs.
SR075	4-6 RG-6's	160	28 lbs.
SR100	14-16 RG-6's	80	22 lbs.
SR200	40 RG-6's	96	40 lbs.

Molding cable capacities are approximations using 60% braided RG6 cable

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Mounting Clips

1/2" Clip

3/4" Clip

1" Clip

2" Clip

Mounting clips are attached to the surface every 4 feet, all cables or wires are then tie wrapped to the clip and secured.

Part Number	Size Clip
CL050	1/2" Clip
CL075	3/4" Clip
CL100	1" Clip
CL200	2" Clip

Customize Your Color
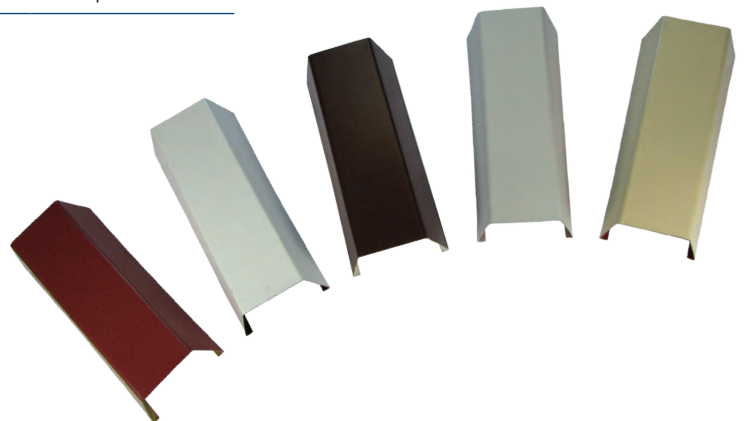
An easy formula for determining the number of clips needed is to multiply the footage of straight run by .25 for each size ordered.
Example: 4000' of **SR100IV** x .25 = 1000 **CL100**

Cable Ready
Backplates   1/2" Fittings

Backplates

3/4" Security Clip

1" Security Clip

2" Security Clip
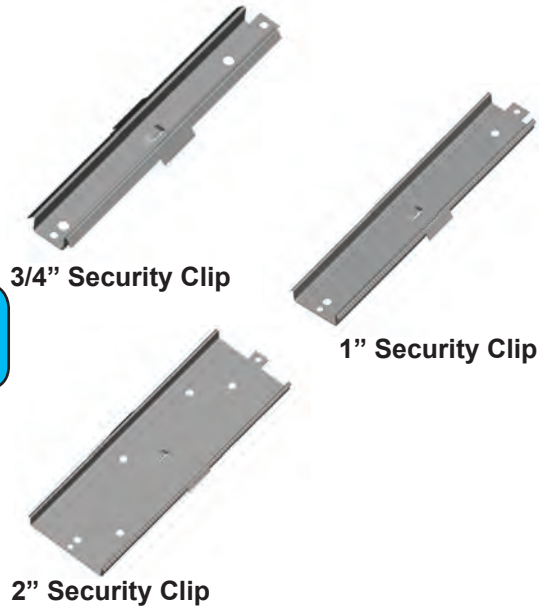
Application: Used in areas where high security is required or when surfaces are uneven or unsupported. The full backing plate provides the ultimate in security for wires. Backing plates come in the same lengths as straight run. Please note that Backplates are not sold in 1/2".

Part Number	Description	Ft./box
BP075GS	3/4" x 8' Security Clip	240
BP100GS	1" x 8' Security Clip	192
BP200GS	2" x 8' Security Clip	128

Backing Plate must be ordered in box quantity

1/2" Fittings

1/2" Coupling Fitting

1/2" Outside Corner

1/2" 90º Right Angle

1/2" Tee Fitting

1/2" End Cap

1/2" Inside Corner
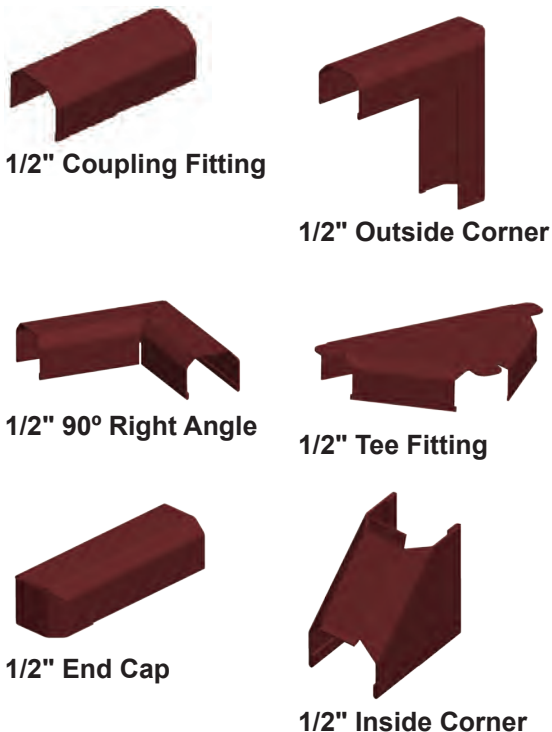
CABLEREADY molding is made of 26 gauge Galvalume® steel, which lasts longer and is more durable than G90 hot dipped steel or plastic molding systems.

Part Number	Description
CO050	1/2" Coupling Fitting Covers seam when two pieces of molding are joined together.
OC050	1/2" Outside Corner Makes a 90º outside turn around corners involving two outside walls.
RA050	1/2" 90º Right Angle Makes a left or right turn at a 90º angle on flat surface.
TE050	1/2" Tee Fitting Allows molding to split into three different directions at 90º angles.
EC050	1/2" End Cap Fitting Covers end piece of molding.
IC050	1/2" Inside Corner Makes a 90º inside turn in a corner. (i.e. a wall to wall or ceiling to wall)

Most 1/2" fittings mount directly onto the CL050 clip.

HELPFUL HINTS

When installing the molding on an uneven surface, the clips should be installed on the high points as close to the 48" centers as possible.

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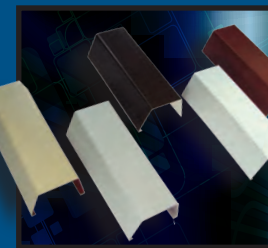
Cable Ready
3/4" Fittings

3/4" Fittings

1" x 3/4" Reducing Fitting

3/4" Coupling Fitting

3/4" Outside Corner

3/4" 90º Right Angle

3/4" Tee Fitting

3/4" End Cap

3/4" Inside Corner

CABLEREADY molding is manufactured in the United States. This gives us the ability to customize your molding to match the special requirements of your installation.

Part Number	Description
RD175	1" X 3/4" Reducing Fitting Reduces molding size from 1" to 3/4" in a straight run of molding.
CT075	3/4" Coupling Fitting Covers seam when two pieces of molding are joined together.
OC075	3/4" Outside Corner Makes a 90º outside turn around corners involving two outside walls.
RA075	3/4" 90º Right Angle Makes a left or right turn at a 90º angle on flat surface.
CT075	3/4" Tee Fitting Allows molding to split into three different directions at 90º angles.
EC075	3/4" End Cap Fitting Covers end piece of molding and/or as a reducer from 3/4" to 1/2" molding size.
IC075	3/4" Inside Corner Makes a 90º inside turn in a corner such as a wall to wall or ceiling to wall.

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The 26 gauge Galvalume® steel is delivered to PPC Belden in spools. This specialized sheet metal is then taken to the roll form machine where it is formed into cable molding.
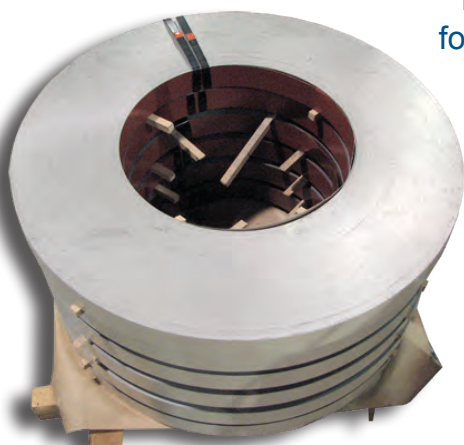
HELPFUL HINTS

All molding and fittings are shipped with a blue protective film. It is recommended that the film remains on the product until the molding is installed on the clips. Note: Fittings should have the film removed prior to installation.

Cable Ready
1" Fittings

1" x 3/4" Reducing Fitting
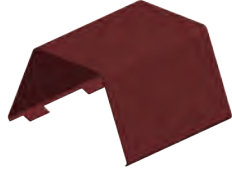
1" Coupling Fitting

1" Outside Corner

1" 90° Right Angle

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1" Tee Fitting
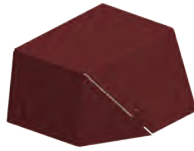
1" End Cap

1" Inside Corner

1" Expansion Boot

1" Offset Adapter

1" Bell Adapter

All CableReady molding is long lasting and carries a 15 year warranty against cracking, warping, discoloring, blistering or peeling due to ultraviolet rays or harsh weather conditions.

Part Number	Description
RD175	1" X 3/4" Reducing Fitting Reduces molding size from 1" to 3/4" in a straight run of molding.
CO100	1" Coupling Fitting Covers seam when two pieces of molding are joined together.
OC100	1" Outside Corner Makes a 90° outside turn around corners involving two outside walls.
RA100	1" 90° Right Angle Makes a left or right turn at a 90° angle on flat surface.
CT100	1" Tee Fitting Allows molding to split into three different directions at 90° angles.
EC100	1" End Cap Fitting Covers end piece of molding and/or as a reducer from 3/4" to 1/2" molding size.
IC100	1" Inside Corner Makes a 90° inside turn in a corner such as a wall to wall or ceiling to wall.
BO100	1" Expansion Boot Creates an expansion to cover the hole when entering a lock box, ceiling or floor.
OA1-58	1" Offset Adapter Allows for a step up or step down from a trim board. Standard offset is 5/8". Fitting can be trimmed.
BO300	1" Bell Adapter Covers up to a 2 1/2" hole at the bottom of the bell adapter. Top of bell adapter fits the SR100 Straight Run.

CABLEREADY cable molding is versatile and can be applied to a variety of building materials including brick, metal and stucco.
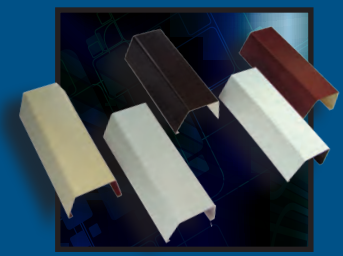
Cable Ready
2" Fittings

2" Fittings

2" x 1" Reducing Fitting
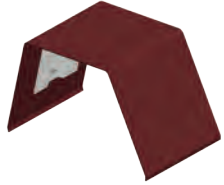
2" Coupling Fitting

2" Outside Corner
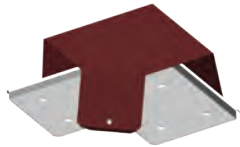
2" 90º Right Angle

2" Tee Fitting

2" End Cap

2" Inside Corner

2" Expansion Boot

2" Offset Adapter

2" Bell Adapter

2" Crossing Tee

2" x 2" x 1" Reducing Tee

Easy of installation of an 8' section of molding requires 8 anchors, 4 clips, and only 3 minutes to install!

Part Number	Description
RD201*	2" X 1" Reducing Fitting Reduces molding size from 2" to 1" in a straight run of molding.
CO200*	2" Coupling Fitting Covers seam when two pieces of molding are joined together Improved with metal insert to be more secure.
OC200*	2" Outside Corner Makes a 90º outside turn around corners involving two outside walls.
RA200*	2" 90º Right Angle Makes a left or right turn at a 90º angle on flat surface. Is a two piece fitting, RA200 snaps onto a right angle clip.
TE200*	2" Tee Fitting Allows molding to split into three different directions at 90º angles.
EC200*	2" End Cap Fitting Covers end piece of molding. EC200 must be cut in the field to make an end cap.
IC200*	2" Inside Corner Makes a 90º inside turn in a corner such as a wall to wall or ceiling to wall.
BO200*	2" Expansion Boot Creates an expansion to cover the hole when entering a lock box, ceiling or floor.
OA2-58*	2" Offset Adapter Allows for a step up or step down from a trim board. Standard offset is 5/8". Fitting can be trimmed.
BO600*	2" Bell Adapter Covers up to a 4 1/2" hole at the bottom of the bell adapter. Top of bell adapter fits the SR200 Straight Run.
CT200*	2" Crossing Tee Branches off in four different directions at 90º angles.
RT221*	2" x 2" x 1" Reducing Tee Reduces from 2" to 1" at a 90º angle to the 2" molding.

*Note: The new CO200 design requires that you install the coupling at the same time as the straight run molding. The interlocking bracket on the CO200 must fit securely between the two lengths of straight run.

Cable Ready
Outlet Boxes

Outlet Boxes

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Single Gang Outlet Box

Double Gang Outlet Box
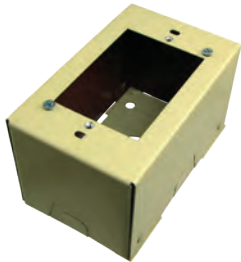
Single Gang Outlet Box - Deep

Junction Box

Standard boxes have 1/2" and 3/4" knockouts.
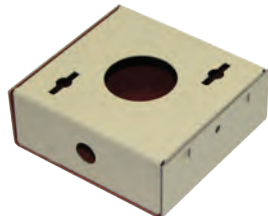
Part Number	Description
X OB3-4	3" x 4 3/4" x 1 5/8" Single Gang Outlet Box Used to terminate a drop.
X OB34DGEX	5" x 4 3/4" x 2 3/4" Double Gang Outlet Box Box Used to terminate a drop.
X OB3-4SD	3" x 4 3/4" x 2 3/4" Single Gang Outlet Box - Deep Box Used to terminate a drop.
X JB275-BR	2 3/4" x 2 3/4" x 1" Junction Box Used to terminate a drop.

Cable Ready

Tools - Recommended tools for CableReady Installations

Sheet Metal Shear

Cuts Straight run molding to desired length.

Part Number	Description	STD Pack
X HC1251	Sheet Metal Shear	1

Super Snip Shear

Cuts specialty corners or notches in straight run molding and to cut straight run length.

Part Number	Description	STD Pack
X HC1451	Super Snip Shear	1

Anchor Driver

Drives nail-in anchors into the 1/2" clip.

Part Number	Description	STD Pack
X CR-7TD	Anchor Driver	1

1/2" Entry Key

Allows user to re-enter 1/2" molding after the molding has been installed.

Part Number	Description	STD Pack
X EK050HD	1/2" Entry Key	1

Entry Key

Allows user to re-enter 3/4", 1" and 2" molding after the molding has been installed.

Part Number	Description	STD Pack
X EK100HD	Entry Key	1

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Splicing Tools & Connectors
Hand Tools

Splicer's Snips

Durable, hand forged chrome plated snips designed for tough duty and built to last. Outer edge of blade includes convenient 19 & 22 gauge wire stripping notches.

Part Number	Description	STD Pack
C4436	Splicer's Snips	1

Splicer's Knife

Strong sheath knife with hardened steel blade. Cuts easily through sheath and shield. Long resilient, non-slip handle facilitates use and is an important safety factor.

Part Number	Description	STD Pack
C4438	Splicer's Knife	1

Splicer's Pouch

Rugged long-life leather pouch with dual pockets designed to hold knife and snips. Equipped with convenient belt loop.

Part Number	Description	STD Pack
C4439	Splicer's Pouch	1

Splicer's Kits

Part Number	Description	STD Pack
C4437	3 piece kit- Pouch, Knife and Snips	1
C4440	2 piece kit- Pouch and Knife only	1

Splicing Tools & Connectors
Hand Tools

T-Shears

A hardened steel tool for cutting the sheath and shield of polyethylene jacketed cable in preparation for the installation of shield bonding devices.

- Features heavy-duty spring loaded handles with safety lock
- Slides neatly under sheath and shield without damaging underlying conductors
- Excellent also for cutting through service wire and small cable

Part Number	Description	STD Pack
C4432	T-shears	1

Bullet Bond Punch Tool

Use to punch bond stud holes in Alpeth, Stalpeth and lead cable sheath and shield.

- Designed to punch a perfect 0.235 inch hole which provides ideal clearance for a standard 3/16 inch stud
- Nickel plated to prevent corrosion
- Hardened steel punch die for a smooth cut and long life

Part Number	Description	STD Pack
C4039	Bullet Bond Punch Tool	1

C Terminal Wrench

A double ended hexagonal socket wrench designed to fit most common nut sizes of terminals and other plant hardware 3/8 inch and 7/16 inch. High quality steel and plating afford maximum tool protection. The wrench has a large grooved plastic handle that permits a strong and sure grip and a hollow shaft that accommodates extra-long studs.

Part Number	Description	STD Pack
C4430	C Terminal Wrench – 3/8"-7/16"	1

Universal Terminal Wrench

Part Number	Description	STD Pack
CNW6	Universal 3/8" -7/16" Terminal Wrench	1

Cable Ready
Caulk & Anchors

G

Caulk

- 10.5 oz. cans
- Color matches molding
- All temperatures, all weather caulk
- Air cures to a tough rubbery seal
- Paintable with oil or latex paint after curing

Part Number	Description	STD Pack
X C2146IV	Ivory Caulk	1
X C2110RW	Redwood Caulk	1
X C2000WH	White Caulk	1
X C2111BR	Brown Caulk	1
X C2120LG	Light Gray Caulk	1

Nylon Nain-in Anchors

For light duty fastening in masonry, brick, block or concrete. The head of the nail is slotted so the anchor can be removed with a screwdriver. Meets and exceeds GSA Specifications FF-325, Group V, Type 2, Class 4. Use a hammer to insert the Nylon Nail-In Anchors*.

*When using a hammer to insert anchors into the wall surface be careful not to hammer the sides of the clips, since bending the clips out of shape will make removal of the molding very difficult.

Part Number	X4630	X4730	X5630	X5730
Anchor Size	3/16" x 1"	3/16" x 1 1/2"	1/4" x 1"	1/4" x 1 1/2"
Hole Size	3/16"	3/16"	1/4"	1/4"
Pull out Strength	250 lbs.	295 lbs.	235 lbs.	290 lbs.
Shear Strength	530 lbs.	680 lbs.	790 lbs.	830 lbs.
Minimum Qty.	100	100	100	100
Bulk Package Qty.	2,000	2,000	2,000	2,000

Hex Head Screws

Part Number	X #8 HH	X #10 HH
Screw Size	#8 x 1"	#10 x 1"
Minimum Qty.	100	100
Bulk Package Qty.	2000	2000
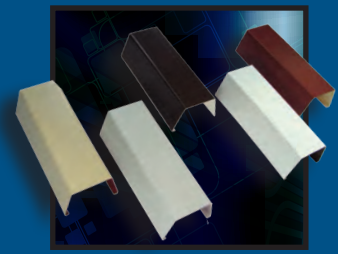
Cable Ready
Anchors

Sleeve Anchors

For heavy duty fastening in masonry, brick, block or concrete. Meets and exceeds GSA Specifications FF-S-325, Group II, Type 3, Class 3. The test values listed were obtained using 3500 psi concrete (no aggregate). A safe working load should not exceed 25% of stated values.

Part Number	X1712	X1713
Anchor Size	3/8" x 1 7/8"	3/16" x 3"
Hole Size	3/8"	3/8"
Pull out Strength	2700 lbs.	2700 lbs.
Shear Strength	2280 lbs.	2280 lbs.
Minimum Qty.	50	50

Plastic Anchors

For light duty fastening in masonry, brick, block, concrete or drywall. When using Plastic Anchors holes must be drilled into the wall surface prior to installation. Use Hex Head Screws to anchor clip to wall surface.

Part Number	X8460
Anchor Size	1/4" x 1"
Screw Size	10
Hole Size	1/4"
Minimum Qty.	100
Bulk Package Qty.	2000

Wallgrabbers

For light duty fastening in drywall and plaster. No drilling is required. Drive in with hammer and insert a #8 Hex Head Screw to anchor clip to wall surface.

Part Number	X #8 WG
Anchor Size	#8
Screw Size	#8 x 1"
Minimum Qty.	100
Bulk Package Qty.	2000

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Cable Ready
Installation

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DRILL

ATTACH CLIP

ATTACH CABLE

SNAP ON MOLDING

RE-ENTRY

PREPARATION:
- Identify the least obstructive area on the wall to place the molding. Snap chalkline at 2" from any edging.
- Only two clips are needed per 8' section of molding. Starting from the ground up.

DRILL:
- Center the clip at 4' mark, and mark the surface where you will drill the holes.
- Align the clip's end guides with the chalkline.
- Use anchors slightly smaller than the holes to provide for adjustments since the drill bit tends to "walk" on the brick and metal.

ATTACH CLIP:
- Use two anchors to attach each clip.
- The type of wall surface the clip is attached to will determine how the anchors are inserted.*
- As the anchor is being placed, continue to check the alignment of the clip end guides with the chalkline.

ATTACH CABLE:
- After the clips have been installed, use a tie wrap to secure the clip. (only one tie wrap per clip is needed)

SNAP ON MOLDING:
- When snapping the molding on, start from one end and work toward the other.
- Leave a slight space between each section of molding for expansion.

RE-ENTRY:
- CABLEREADY molding requires a special tool to re-enter the molding. The molding and tools are designed specifically to keep vandals out of the system.
- The Entry Key slips under the molding grabbing the flange of the molding and pulling pulling it away from the edge of the clip.

*For detailed instructions on installing CABLEREADY molding please refer to the CABLEREADY Installation Instruction Guide.

**When hammering anchors to secure the clips, be careful not to hammer the sides of the clips, since bending the clips out of shape will make removal of molding very difficult.

G120   www.ppc-online.com   Customer Support: **800.800.6652**
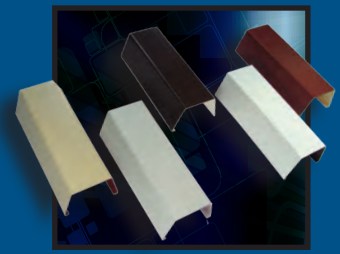
Cable Ready

Installation

All moldings and fittings are shipped with a blue protective film that is laminated to the product. This film protects the molding as it is being installed. It is recommended that the strippable film be left in place until the molding is installed on the clips. Remove the film by starting at one end of the molding and pulling it off over the entire length of molding. Unlike the molding, the fittings should have the film removed before installation. Some fittings slide into the molding making it very difficult to remove the film after installation.

HELPFUL HINT #2: The fittings are designed to either snap over the molding or slip into the end of the molding, depending on the fitting. A clip is not required to hold fittings in place on the 3/4", 1 ", and 2" molding. The majority of the fittings are snap over fittings. The snap over fittings are easy to identify because they have a set of tabs on the bottom.
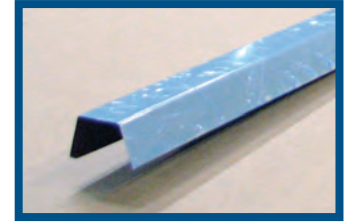
The other fittings are inserted into the end of the piece of molding, and have small notches on each side where the molding fits. Most 1/2" fittings snap directly onto a CLO5O clip.

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HELPFUL HINT #3: When installing vertical risers, it is recommended that all short pieces be placed at the top of the riser. A full piece of molding should be at ground level. This will help prevent vandals from trying to remove and damage a piece of molding. If a vertical riser does not rest on the ground, on a trim board, offset, or any place that will support the weight of the riser, it is recommended that an anchor or screw be placed at the bottom piece of molding to support the riser. Due to the design of the molding, natural expansion and contraction will cause the riser to slide downward over a long period of time. This will create gaps between the pieces of molding unless the support is in place.
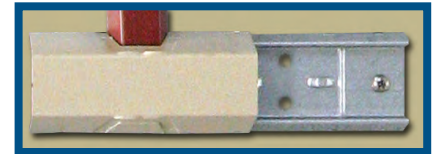
HELPFUL HINT #4: When installing the molding on an uneven surface, the clips should be installed on the high points as close to the 48" centers as possible. Another option is to install the full backing plate. The full backing plate can be used in conjunction with the standard clips. You can alternate between the two different types if necessary.

NOTE: The CO200 design requires that you install the coupling at the same time as the straight run molding. The interlocking bracket on the CO200 must fit securely between the two lengths of straight run.

Looking For An Easy Way To Pull Your Cable?

PPC Cable Caddie's Make Cable Installations A Breeze

- Made in the USA from high quality, lightweight 3/4" steel tubing.
- Unique folding mechanism allows cable caddie to be folded easily for transport.
- Enduring paint finish protects caddie from weathering elements.
- The CC2016B holds one 20" x 16" reel.
- Available with 6" wheels.

CC2016B
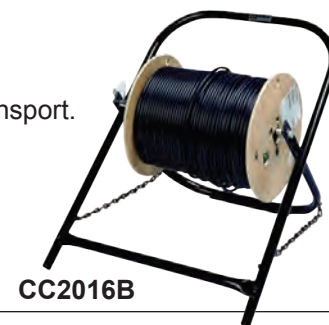
To see all PPC's cable caddies go to www.ppc-online.com.

Cable Ready
Process

PPC - A Belden Brand's CABLEREADY molding is manufactured in Washington, PA, USA. PPC uses 26 gauge Galvalume® steel which can withstand harsh weather conditions and continue to last for many years. This allows PPC to provide an extended guarantee on all CABLEREADY cable molding products for a full 15 years. Our CABLEREADY molding is more durable, outlasting G90 hot dipped steel or plastic molding systems.

The Galvalume® steel is delivered in large spools. The sheet metal is formed into the cable molding based on preordered custom sizes by a proprietary roll form machine. This all-in-one machine molds the metal and places a thin protective strip of blue film onto the shaped molding, which is later removed by the professional installer after the molding has been installed.

The punch out machine is used to create custom molded accessories that include right angles, Tee Fittings, outlet boxes, transitions and much more.

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Notes:

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CABLE TIE PART NUMBERS

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