

**Catamount®**

# **Catamount® Electrician's Supplies**

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## **Catamount® Electrician's Supplies**

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**Thomas&Betts**

[www.tnb.com](http://www.tnb.com)

## Wire Connectors

### Catamount® Wire Connectors

In 1914, William Marr invented the world's first pressure-type wire connector. Since then, these connectors have become synonymous with "best quality wire connectors." Easy to install and comfortable in the hand, they are indispensable to electricians. And now they're available as key components of the Catamount® product line. This is very good news for your fingers.

#### How good are they?

The first thing you'll notice about Catamount® wire connectors is that they come in a variety of types and styles, making it easy for you to identify wire size at a glance.

Feature for feature, here's what makes Catamount® connectors significantly better than other connectors.

- Catamount® connectors are the **ONLY** wire connector to offer a non-winged, variable-volume live-action spring in the connector. The spring expands to receive the conductors, rather than crushing them together as typical non-winged competitors do.
- They can handle a broader range of wire connection combinations.
- They're coated with 100% pure copper, which reduces the corrosion common to tin- and zinc-coated products.
- Catamount® connectors' "finger friendly" design offers a truer grip for less hand fatigue during repeated use.
- They are the **ONLY** red non-winged connector that is UL Listed for a pair of #8 AWG wires.
- The high-grade polypropylene outer shell prevents "blooming" or "blossoming" of the connector sidewall. The outer shell maintains a constant moisture level, reducing the likelihood of the connector becoming dry, brittle to extreme heat or cold.



#### Catamount® XTP® (Non-Winged)

| CAT. NO. | WIRE RANGE* | MIN.        | MAX.        | COLOR      | DESCRIPTION         | STD. CTN. |
|----------|-------------|-------------|-------------|------------|---------------------|-----------|
| 329-P    |             |             |             |            | 100 pc/box          | 1000      |
| 329-BP   | 22-16       | 1#22 + 1#20 | 2#16        | XTP-Gray   | 1,000 pc/bulk box   | 1000      |
| 329-BK   |             |             |             |            | 10,000 pc/bulk box  | 10,000    |
| 330-P    |             |             |             |            | 100 pc/box          | 1000      |
| 330-BP   | 22-14       | 3#20        | 3#16        | XTP-Blue   | 1,000 pc/bulk box   | 1000      |
| 330-BK   |             |             |             |            | 10,000 pc/bulk box  | 10,000    |
| 331P     |             |             |             |            | 100 pc/bulk box     | 1000      |
| 331M     | 18-14       | 2#18        | 3#14        | XTP-Orange | 1,000 pc/masterpak® | 5000      |
| 331KP    |             |             |             |            | 500 pc/bag          | 10,000    |
| 333P     |             |             |             |            | 100 pc/box          | 1000      |
| 333M     | 18-10       | 1#14 + 2#18 | 1#10 + 2#14 | XTP-Yellow | 1,000 pc/masterpak® | 3000      |
| 333KP    |             |             |             |            | 500 pc/bag          | 5000      |
| 335P     |             |             |             |            | 100 pc/box          | 1000      |
| 335D     | 18-8        | 2#16 + 2#18 | 3#10        | XTP-Red    | 500 pc/masterpak®   | —         |
| 335Q     |             |             |             |            | 200 pc/bag          | —         |

\*AWG Solid or Stranded

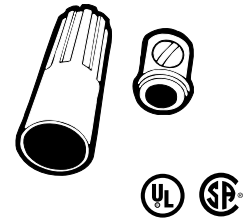
## Wire Connectors

### Catamount® Set-Screw Wire Connectors

Threaded brass inserts provide vibration-resistant connections that are easily removed for disconnection, visual inspection or rewiring. Catamount® set-screw wire connectors feature flexible, color-coded nylon insulating shells which are compact for tight applications.

The nylon insulating shells resist heat, cold and impact with a temperature rating of 105° C (221° F) max. Rated: 600V.

- Threaded brass inserts for vibration-resistant connections
- Easily removed
- Color-coded nylon insulating shells
- UL Listed and CSA Certified



| CAT. NO.      | DESCRIPTION   | WIRE RANGE* | MIN.    | MAX.               | DIMENSIONS (IN.)               |                                 |                                 |                                 | STD. CTN. |
|---------------|---------------|-------------|---------|--------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|-----------|
|               |               |             |         |                    | A                              | B                               | C                               | D                               |           |
| Carton Packed |               |             |         |                    |                                |                                 |                                 |                                 |           |
| 10-305        | (SS-0) Orange | #18-#12     | (2) #18 | (1) #12 w/ (3) #18 | 1 <sup>5</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>64</sub> | 3 <sup>3</sup> / <sub>8</sub>   | 100       |
| 10-307        | (SS-2) Red    | #18-#10     | (6) #18 | (2) #10 w/ (1) #12 | 1 <sup>3</sup> / <sub>32</sub> | 39 <sup>3</sup> / <sub>64</sub> | 33 <sup>3</sup> / <sub>64</sub> | 35 <sup>3</sup> / <sub>64</sub> | 100       |
| Bulk Packed   |               |             |         |                    |                                |                                 |                                 |                                 |           |
| 10-315        | (SS-0) Orange | #18-#12     | (2) #18 | (1) #12 w/ (3) #18 | 1 <sup>5</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>64</sub> | 3 <sup>3</sup> / <sub>8</sub>   | 1000      |
| 10-317-H      | (SS-2) Red    | #18-#10     | (6) #18 | (2) #10 w/ (1) #12 | 1 <sup>3</sup> / <sub>32</sub> | 39 <sup>3</sup> / <sub>64</sub> | 33 <sup>3</sup> / <sub>64</sub> | 35 <sup>3</sup> / <sub>64</sub> | 1000      |

\* Solid only

UL File E-17010; CSA File LR-6541; 10-306 and 10-316 have been superceded by IBP.

### Catamount® Set-Screw Vibration-Proof/Visible Connection

The Catamount® Set Screw is a two-piece, pressure-type connector featuring a solid brass insert with a screw-on insulating cap. It's the perfect choice when changing a motor, adding a circuit, conducting instrument testing or simply lashing-up temporary wiring.

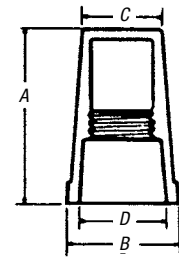
#### External Cap

- Made of rugged, phenolic material and 150° C-rated.
- Insulator cap locks securely in place to safeguard against accidental loosening in high-vibration applications.

#### Brass Insert

- Choice of slot or Robertson set screw. When tightening into the insert, provides a solid pressure-type connection on all approved wire combinations.
- No need to "re-strip" wires when rewiring. Simply loosen set screw to remove non-twisted wires.

- CSA (LR6591), UL (424H) — approved for circuits up to 600V and lighting fixtures and signs up to 1,000V.
- Convenient packaging — sized right and jobsite ready!

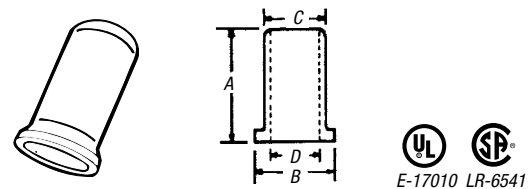


#### Marrette Set Screws

| CAT. NO. | DESCRIPTION                         | WIRE RANGE | STD. CTN. | STD. PKG. |
|----------|-------------------------------------|------------|-----------|-----------|
| 1SHP     | Marrette Set Screw, Small Robertson | #18-#12    | 100       | 1000      |
| 2SHP     | Marrette Set Screw, Large Robertson | #18-#10    | 100       | 1000      |
| 1C-CDN   | Marrette Set Screw, Small Slot-Head | #18-#12    | 3/Card    | 10 Cards  |
| 2C-CDN   | Marrette Set Screw, Large Slot-Head | #18-#10    | 3/Card    | 10 Cards  |

### Crimp Sleeve Wire Connectors

- Zinc plated, chromate-treated steel
- Two sizes accommodate #18-#8 AWG copper
- UL Listed and CSA Certified



|                      |             |                |                    |                    | DIMENSIONS (IN.) |       |      |       | STD.<br>CTN. |
|----------------------|-------------|----------------|--------------------|--------------------|------------------|-------|------|-------|--------------|
| CAT. NO.             | DESCRIPTION | WIRE<br>RANGE* | MIN.               | MAX.               | A                | B     | C    | D     |              |
| <b>Carton Packed</b> |             |                |                    |                    |                  |       |      |       |              |
| 10-500               | (Hi-410)    | #18-#10*       | (1) #14 w/ (1) #18 | (2) #10 w/ (1) #12 | 3⁄8              | 19⁄64 | 1⁄4  | 13⁄64 | 50           |
| 10-501               | (Hi-411)    | #18-#8         | (3) #12            | (4) #10            | 39⁄64            | 23⁄64 | 5⁄16 | 17⁄64 | 50           |
| <b>Bulk Packed</b>   |             |                |                    |                    |                  |       |      |       |              |
| 10-510               | (Hi-410)    | #18-#10*       | (1) #14 w/ (1) #18 | (2) #10 w/ (1) #12 | 3⁄8              | 19⁄64 | 1⁄4  | 13⁄64 | 1000         |
| 10-511               | (Hi-411)    | #18-#8         | (3) #12            | (4) #10            | 39⁄64            | 23⁄64 | 5⁄16 | 17⁄64 | 1000         |

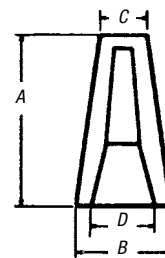
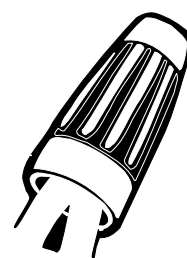
\* Stranded only.

Installation tool 18-500.

## Wire Connectors

### Porcelain Wire Connectors — High Temperature

- For high-temperature applications over 105° C
- Rated up to 645° C (1200° F)
- Three sizes accommodate #18–#14 AWG stranded copper
- 300V Rated
- UL Listed and CSA Certified
- UL Standard 486C



| CAT. NO.            | DESCRIPTION | WIRE RANGE* | MIN.    | MAX.               | DIMENSIONS (IN.)               |                                |                                |                                | STD. CTN. |
|---------------------|-------------|-------------|---------|--------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------|
|                     |             |             |         |                    | A                              | B                              | C                              | D                              |           |
| Carton Packed       |             |             |         |                    |                                |                                |                                |                                |           |
| 10-401              | (Hi-1)      | #18–#14     | (2) #18 | (1) #18 w/ (2) #16 | 1 <sup>1</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>32</sub> | 3 <sup>1</sup> / <sub>16</sub> | ¼                              | 100       |
| 10-405              | (Hi-5)      | #18–#14     | (2) #18 | (2) #16 w/ (2) #18 | ¾                              | 3 <sup>1</sup> / <sub>64</sub> | 1 <sup>3</sup> / <sub>64</sub> | 5 <sup>1</sup> / <sub>16</sub> | 100       |
| 10-407              | (Hi-7)      | #18–#14     | (2) #18 | (4) #16            | 2 <sup>7</sup> / <sub>32</sub> | 1 <sup>7</sup> / <sub>32</sub> | 7 <sup>1</sup> / <sub>32</sub> | 1 <sup>3</sup> / <sub>32</sub> | 100       |
| Multi-Carton Packed |             |             |         |                    |                                |                                |                                |                                |           |
| 10-411              | (Hi-1)      | #18–#14     | (2) #18 | (1) #18 w/ (2) #16 | 1 <sup>1</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>32</sub> | 3 <sup>1</sup> / <sub>16</sub> | ¼                              | 1,000     |
| 10-415              | (Hi-5)      | #18–#14     | (2) #18 | (2) #16 w/ (2) #18 | ¾                              | 3 <sup>1</sup> / <sub>64</sub> | 1 <sup>3</sup> / <sub>64</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1,000     |
| 10-417              | (Hi-7)      | #18–#14     | (2) #18 | (4) #16            | 2 <sup>7</sup> / <sub>32</sub> | 1 <sup>7</sup> / <sub>32</sub> | 7 <sup>1</sup> / <sub>32</sub> | 1 <sup>3</sup> / <sub>32</sub> | 1,000     |
| Bulk Packed         |             |             |         |                    |                                |                                |                                |                                |           |
| 10-421              | (Hi-1)      | #18–#14     | (2) #18 | (1) #18 w/ (2) #16 | 1 <sup>1</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>32</sub> | 3 <sup>1</sup> / <sub>16</sub> | ¼                              | 10,000    |
| 10-425              | (Hi-5)      | #18–#14     | (2) #18 | (2) #16 w/ (2) #18 | ¾                              | 3 <sup>1</sup> / <sub>64</sub> | 1 <sup>3</sup> / <sub>64</sub> | 5 <sup>1</sup> / <sub>16</sub> | 5,000     |
| 10-427              | (Hi-7)      | #18–#14     | (2) #18 | (4) #16            | 2 <sup>7</sup> / <sub>32</sub> | 1 <sup>7</sup> / <sub>32</sub> | 7 <sup>1</sup> / <sub>32</sub> | 1 <sup>3</sup> / <sub>32</sub> | 5,000     |

\* Stranded only.

UL File E-17010; CSA File LR-6541.

### Catamount® Black™ High-Temperature Wire Connectors

The Catamount® Black™ connector's high-temperature rating makes it the best solution for high-wattage lighting fixtures and signs.

#### External Cap

- Made of rugged, phenolic material and 150° C rated
- Large, finely ribbed, "barrel-shaped" cap — makes it easier to grip even when hands are greasy or damp
- Deep, wide throat ensures full insulation coverage
- Threaded entry helps guide large wire bundles right into the spring

#### Inner Spring

- Internal round spring design multiplies the "twist-on" torque applied by the leverage and wedge action to firmly crush wires into a solid joint
- Unique copper-coated spring helps resist corrosion
- CSA (LR6591), UL (424H)
  - Model No. 30 Black™ is approved for circuits and fixture-type connections up to 300V only
  - Model Nos. 31, 33 & 35 Black™ are approved for circuits up to 600V, and lighting fixtures and signs up to 1,000V

- Convenient packaging — sized right and jobsite ready!



| CAT. NO. | DESCRIPTION | WIRE RANGE | MODEL | STD. CTN. |
|----------|-------------|------------|-------|-----------|
| 30P      | Black       | #22–#14    | 30    | 1,000     |
| 30BP     | Black       | #22–#14    | 30    | 1,000     |
| 30BK     | Black       | #22–#14    | 30    | 10,000    |
| 31P      | Black       | #18–#14    | 31    | 1,000     |
| 31KP     | Black       | #18–#14    | 31    | 5,000     |
| 31BP     | Black       | #18–#14    | 31    | 1,000     |
| 31BK     | Black       | #18–#14    | 31    | 10,000    |
| 33P      | Black       | #18–#12    | 33    | 1,000     |
| 33KP     | Black       | #18–#12    | 33    | 5,000     |
| 33BP     | Black       | #18–#12    | 33    | 10,000    |
| 33BK     | Black       | #18–#12    | 33    | 10,000    |
| 35P      | Black       | #18–#10    | 35    | 1,000     |
| 35KP     | Black       | #18–#10    | 35    | 2,500     |
| 35BP     | Black       | #18–#10    | 35    | 1,000     |
| 35BK     | Black       | #18–#10    | 35    | 5,000     |

## Wire Pulling Lubricants

### Wire Pulling Lubricant — Semi-Synthetic Base

T&B offers a choice of wire and cable pulling lubricants. The popular standard base, cold weather and advanced engineered polymer-base lubricants are available. Each features superior stability, adherence and cable compatibility as well as excellent lubricating properties.

- Preferred semi-synthetic base formulation
- Retains lubricating properties and will not separate up to 200° F
- Will not separate after freezing
- Superior adherence to cable
- Recommended for use on all commonly used wire and cable, including high-voltage cable and all UL Listed conduits
- Dries to slick, waxy film
- Non-toxic, no silicones, non-staining, easy cleanup

#### Technical Information

1. pH: 7.9
2. Coefficient of Friction (wet and dry residue)  
sliding wet — .07  
sliding dry — .08
3. Color: yellow
4. Weight per Gallon: 8.26 lbs.
5. Freezing Point: +25° F (-4° C)
6. High-Temperature Stability:  
200° F (93° C)
7. Non-toxic, non-staining, contains no silicones

**Note:** Additional test data available upon request.



| CAT. NO. | DESCRIPTION | STD. CTN. |
|----------|-------------|-----------|
| 15-231   | 1 Gallon    | 4         |

Suitable for use with wire or cable insulated with rubber (R, RH, etc.), Neoprene, nylon and PVC plastics (T, TW, THW, THHN, etc.), Hypalon®, high-density polyethylene and Cross Linked Polyethylene (XLP). Not recommended for use on asbestos or low-density polyethylene insulated cables. Compatible with semiconducting jackets present on high-voltage cable. Meets the requirements of ICEA Standards:

ICEA #S-61-402/NEMA Pub. #WC5

ICEA #S-66-524/NEMA Pub. #WC7

UL File E-43782.

\*Hypalon is a registered trademark of E.I. DuPont.

For 24-hour safety and MSDS requirements, call Chemtrec at 800-424-9300.

### WireSlick™ Wire and Cable Pulling Lubricant

WireSlick™ wire and cable pulling lubricant represents the latest in polymer technology. An economical formulation, WireSlick™ polymer-base lubricant provides extremely good thermal stability and a lower freezing point (20° F) than clay-, soap- or wax-base formulations.

WireSlick™ is recommended for use with wire or cable insulated with rubber (R, RH, etc.), Neoprene; nylon and PVC plastics (T, TW, THW, THHN, etc.); Hypalon®; High-Density Polyethylene and Cross-Linked Polyethylene (XLP). It is also compatible with high-voltage cable with semi-conducting jackets.

WireSlick™ has been tested and passes the requirements of ICEA Standards:

ICEA #S-61-402/NEMA Pub. #WC5

ICEA #S-66-524/NEMA Pub. #WC7

- Polymer-base formulation
- Universally compatible with all types of wire and cable
- Widely used by power and telephone utilities
- Economical lubricant

#### Technical Information

1. pH: 8.2
2. Coefficient of Friction (wet and dry residue)  
sliding wet — .11  
sliding dry — .17
3. Color: orange
4. Weight per Gallon: 10 lbs.
5. Freezing Point: +20° F (-7° C)
6. High-Temperature Stability:  
200° F (93° C)
7. Non-toxic, non-staining, contains no silicones

**Note:** Additional test data available upon request.

### Wire and Cable Pulling Lubricant



| CAT. NO. | DESCRIPTION   | STD. CTN. |
|----------|---------------|-----------|
| 15-631   | 1-Gallon Pail | 4         |

UL File E-43782.

\*Hypalon is a registered trademark of E.I. DuPont.

For 24-hour safety and MSDS requirements, call Chemtrec at 800-424-9300.

## Electrician Hand Tools

### 7" Awl



- Comfortable cushion-grip handle that is small enough for working in obstructed areas
- Constructed of hardened and tempered steel for strength and durability
- Convenient precision-ground tip can be resharpened

| CAT. NO. | DESCRIPTION | STD. CTN. |
|----------|-------------|-----------|
| 18-AWL   | 7" Awl      | 5         |

### Cable Cutter



- Designed to cut 4/0 aluminum and up to 2/0 soft copper
- Manufactured to meet or exceed U.S. government specifications

| CAT. NO. | DESCRIPTION  | STD. CTN. |
|----------|--------------|-----------|
| 18-CC9   | Cable Cutter | 5         |

### Screw Starter



| CAT. NO. | DESCRIPTION                     | STD. CTN. |
|----------|---------------------------------|-----------|
| 18-265   | Screw Starter 6" (Card Display) | 10        |
| 18-266   | Screw Starter 9" (Card Display) | 10        |

### Cable Rippers



- Slits outer jacket from Romex and other non-metallic (NM) sheathed cable

#### Model 18-223

- Made from cast aluminum; has replaceable blades
- For 2- or 3-wire #14, #12 or #10 with or without ground

| CAT. NO. | DESCRIPTION                   | WIRE RANGE      | STD. CTN. |
|----------|-------------------------------|-----------------|-----------|
| 18-223   | Cable Ripper for 2 or 3 Wires | #14, #12 or #10 | 12        |
| 18-201   | Replacement Blade for 18-223  | —               | 1         |

### Wire and Cable Cutting and Stripping Tool



- Interchangeable cassettes enable the user to strip a wide range of insulations without having to change tools
- Tool automatically strips wire to preset length

| CAT. NO. | DESCRIPTION                                | PKG. QTY. |
|----------|--------------------------------------------|-----------|
| ERG1-WS  | Self-Adjusting, Cutting and Stripping Tool | 1         |
| VBC-1    | Replacement "V" Blade Cassette             | 1         |

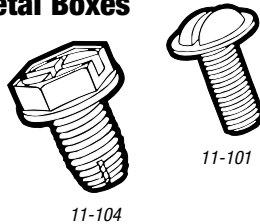
ERG1-WS Wire Stripping/Cutting Tool is shipped with one Straight Blade Cassette (SBC-1).

"V" Blade Cassettes sold separately.

## Hardware and Rough-In Products

### Grounding Screws for Metal Boxes

- Color-coded green
- Size 10-32 x 3/8, fits tapped screw hole in most boxes
- Cat. No. 11-104 taps its own threads



| CAT. NO. | DESCRIPTION                            | STD. CTN. |
|----------|----------------------------------------|-----------|
| 11-101   | Washer Head Screws                     | 1,000     |
| 11-104   | Hex/Phillips/Slotted Head Self-Tapping | 1,000     |

## Anchors — Metallic

### Lead Expansion Anchors

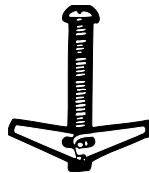
- For heavy-duty anchoring in solid masonry
- One setting tool supplied in each standard carton; no screws supplied



| CAT. NO. | SCREW SIZE | HOLE DEPTH (IN.) | DRILL SIZE | STD. CTN. |
|----------|------------|------------------|------------|-----------|
| 53-308   | 1/4-20     | 7/8              | 1/2        | 500       |
| 53312    | 3/8-16     | 1 1/4            | 3/4        | 250       |

### Mushroom Head Toggle Bolts

- "Spring-Wing" type, zinc plated
- Bolts are threaded full length



| CAT. NO. | SIZE             | DRILL HOLE (IN.) | STD. CTN. |
|----------|------------------|------------------|-----------|
| 52-602   | 1/8 (6-32) x 3   | 3/8              | 250       |
| 52-604   | 1/8 (6-32) x 4   | 3/8              | 250       |
| 52-622   | 3/16 (10-24) x 3 | 5/16             | 250       |
| 52-624   | 3/16 (10-24) x 4 | 5/16             | 250       |
| 52-632   | 1/4-20 x 3       | 3/4              | 250       |
| 52-634   | 1/4-20 x 4       | 3/4              | 250       |

## Anchors — Non-Metallic

### Economy Plastic Screw Anchor

- Superior holding power in solid masonry or concrete block



| CAT. NO. | SIZE     | FOR TAPPING SCREWS |              | DRILL* HOLE (IN.) | STD. CTN. |
|----------|----------|--------------------|--------------|-------------------|-----------|
|          |          | SIZE               | LENGTH (IN.) |                   |           |
| 50-404   | #12 x 1" | 10 to 12           | 1            | 1/4               | 1,000     |

\* When impact hammer drill is used, downsize drill hole 1/32".

### Economy Screw Anchor Kits



| CAT. NO. | DESCRIPTION                                                                                              | STD. CTN. |
|----------|----------------------------------------------------------------------------------------------------------|-----------|
| 51-404*  | (100) #12 x 1" Screw Anchor<br>(100) 10 x 1" Slot/Phillips Head Screws<br>(1) 1/4" Carbide-Tip Drill Bit | 12        |
| 51-404HX | (100) #12 x 1" Screw Anchor<br>(100) 10 x 1" Hex-Slotted Screws<br>(1) 1/4" Carbide-Tip Drill Bit        | 12        |

\* Now with Slot/Phillips screws.

## Hardware and Rough-In Products

### Anchors — Non-Metallic (continued)

#### Hexagon Nuts

- For use with machine bolts
- Finest quality steel, zinc plated



| CAT. NO. | SIZE    | STD. CTN. |
|----------|---------|-----------|
| 55-004P  | 6-32    | 1,000     |
| 55-005P  | 8-32    | 1,000     |
| 55-008P  | 1/4-20  | 1,000     |
| 55-010   | 5/16-18 | 1,000     |
| 55-012   | 3/8-16  | 1,000     |

#### Red-Cap® Anchor Kits

- Red Cap® anchors, screws and drill bit in reusable plastic kit box



| CAT. NO. | DESCRIPTION                                                                                                | STD. CTN. |
|----------|------------------------------------------------------------------------------------------------------------|-----------|
| 51-208   | (100) #8 Anchors<br>(100) 6 x 1" Panhead Screws<br>(1) 3/16" Carbide-Tip Drill Bit                         | 12        |
| 51-212*  | (100) #12 Anchors<br>(100) 10 x 1" Combination Slot/Phillips Head Screws<br>(1) 1/4" Carbide-Tip Drill Bit | 12        |
| 51-212HX | (100) #12 Anchors<br>(100) 10 x 1" Hex-Slotted Screws<br>(10) 1/4" Carbide-Tip Drill Bit                   | 12        |
| 51-216   | (50) #16 Anchors<br>(50) 14 x 1 1/4" Panhead Screws                                                        | 12        |

\* Now with combination Slot/Phillips screws.

#### Self-Drilling Screws

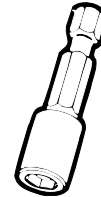
- Drill their own hole and form mating threads
- #8 screws fasten combined material thickness up to 3/32"
- #10 screws fasten combined material thickness up to 1/4"
- Hex Washer Head (no slot)
- 1/4" hex head fits 54-090 Magnetic Driver
- 5/16" hex head fits 54-091 Magnetic Driver



| CAT. NO. | SIZE         | HEAD SIZE (IN.) | POINT NO. | STD. CTN. |
|----------|--------------|-----------------|-----------|-----------|
| 54-301   | 8 x 3/4"     | 1/4             | 2         | 1,000     |
| 54-302P  | 10 x 3/8"    | 5/16            | 3         | 1,000     |
| 54-303P  | 10 x 1"      | 5/16            | 3         | 1,000     |
| 54-304   | 12-14 x 3/4" | 5/16            | 3         | 1,000     |

#### Magnetic Drivers

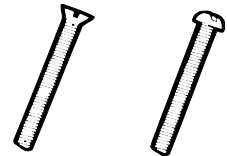
- For driving self-piercing and self-drilling hex head screws
- Fits power screwdriver and electric drill chucks
- Strong permanent magnet holds screw in position



| CAT. NO. | SIZE                                    | STD. CTN. |
|----------|-----------------------------------------|-----------|
| 54-091   | 5/16" x 1 1/8" Hex-Head Magnetic Driver | 12        |
| 54-090   | 1/4" x 1 1/8" Hex-Head Magnetic Driver  | 12        |

#### Machine Bolts

- Steel, zinc plated
- Accurate, uniform threads
- Round heads standard; flat heads available in some sizes



| CAT. NO. | SIZE          | STD. CTN. |
|----------|---------------|-----------|
| 54-541P  | 8-32 x 1/2"   | 1,000     |
| 54-543P  | 8-32 x 1"     | 1,000     |
| 54-545P  | 8-32 x 1 1/2" | 1,000     |
| 54-546P  | 8-32 x 2"     | 1,000     |
| 54-570P  | 1/4-20 x 3/8" | 1,000     |
| 54-571P  | 1/4-20 x 1/2" | 1,000     |
| 54-572P  | 1/4-20 x 3/4" | 500       |
| 54-573P  | 1/4-20 x 1"   | 500       |

#### Red-Cap® Screw Anchors

- Superior holding power in solid masonry or concrete block



| CAT. NO.    | SIZE         | FOR TAPPING SCREWS       |              | DRILL* HOLE (IN.) | STD. CTN. |
|-------------|--------------|--------------------------|--------------|-------------------|-----------|
|             |              | SIZE                     | LENGTH (IN.) |                   |           |
| 50-210      | #8 x 7/8"    | 6, 7 or 8                | 1-1 1/4      | 3/16              | 1,000     |
| 50-230      | #12 x 1"     | 9, 10 or 12              | 1-1 1/4      | 1/4               | 1,000     |
| 50-250      | #16 x 1 1/8" | 14 or 16, 1/4" Lag Screw | 1 1/4-1 1/2  | 5/16              | 500       |
| <b>BULK</b> |              |                          |              |                   |           |
| 50-239      | #12 x 1"     | 9, 10 or 12              | 1-1 1/4      | 1/4               | 10,000    |

\* When impact hammer drill is used, downsize drill hole 1/32".

**Note:** For maximum holding power, select screw length 1/4" longer than anchor.

## Hardware and Rough-In Products

### Snap-In Blanks

- Steel
- Zinc plated
- Used for replacing knockouts in outlet boxes



| CAT. NO. | SIZE  | DIAMETER (IN.) | STD. CTN. |
|----------|-------|----------------|-----------|
| BL-111   | 1/2   | 1 5/64         | 1,000     |
| BL-112   | 3/4   | 1 1/4          | 1,000     |
| BL-113   | 1     | 1 1/2          | 1,000     |
| BL-114   | 1 1/4 | 1 13/16        | 500       |
| BL-115   | 1 1/2 | 2 7/32         | 500       |
| BL-116   | 2     | 2 11/16        | 250       |

### Plastic Clamps — Nylon

- Nylon
- Screw hole size .203 for #10 screw
- Temperature range -40° F to 176° F



| CAT. NO. | DESCRIPTION | DIMENSIONS (IN.) |     |      |       | STD. CTN. |
|----------|-------------|------------------|-----|------|-------|-----------|
|          |             | D                | W   | T    | E     |           |
| 12-102   | (NPC-2)     | 1/8              | 3/8 | 3/64 | 21/64 | 1,000     |
| 12-103   | (NPC-3)     | 3/16             | 3/8 | 3/64 | 3/8   | 1,000     |
| 12-104   | (NPC-4)     | 1/4              | 3/8 | 3/64 | 13/32 | 1,000     |
| 12-105   | (NPC-5)     | 5/16             | 3/8 | 3/64 | 29/64 | 1,000     |
| 12-106   | (NPC-6)     | 3/8              | 3/8 | 3/64 | 15/32 | 1,000     |
| 12-107   | (NPC-7)     | 7/16             | 3/8 | 3/64 | 33/64 | 1,000     |
| 12-108   | (NPC-8)     | 1/2              | 3/8 | 3/64 | 35/64 | 1,000     |
| 12-109   | (NPC-9)     | 9/16             | 1/2 | 1/16 | 5/8   | 1,000     |
| 12-110   | (NPC-10)    | 5/8              | 1/2 | 1/16 | 21/32 | 1,000     |
| 12-111   | (NPC-11)    | 11/16            | 1/2 | 1/16 | 47/64 | 1,000     |
| 12-112   | (NPC-12)    | 3/4              | 1/2 | 1/16 | 25/32 | 500       |
| 12-114   | (NPC-14)    | 7/8              | 1/2 | 1/16 | 27/32 | —         |
| 12-116   | (NPC-16)    | 1                | 1/2 | 1/16 | 29/32 | —         |
| 12-118   | (NPC-18)    | 1 1/8            | 1/2 | 1/16 | 31/32 | 50        |

#### Bulk Cartons

|        |          |       |     |      |       |       |
|--------|----------|-------|-----|------|-------|-------|
| 12-202 | (NPC-2)  | 1/8   | 3/8 | 3/64 | 21/64 | 1,000 |
| 12-203 | (NPC-3)  | 3/16  | 3/8 | 3/64 | 3/8   | 1,000 |
| 12-204 | (NPC-4)  | 1/4   | 3/8 | 3/64 | 13/32 | 1,000 |
| 12-205 | (NPC-5)  | 5/16  | 3/8 | 3/64 | 29/64 | 1,000 |
| 12-206 | (NPC-6)  | 3/8   | 3/8 | 3/64 | 15/32 | 1,000 |
| 12-207 | (NPC-7)  | 7/16  | 3/8 | 3/64 | 33/64 | 1,000 |
| 12-208 | (NPC-8)  | 1/2   | 3/8 | 3/64 | 35/64 | 1,000 |
| 12-209 | (NPC-9)  | 9/16  | 1/2 | 1/16 | 5/8   | 1,000 |
| 12-210 | (NPC-10) | 5/8   | 1/2 | 1/16 | 21/32 | 1,000 |
| 12-211 | (NPC-11) | 11/16 | 1/2 | 1/16 | 47/64 | —     |
| 12-212 | (NPC-12) | 3/4   | 1/2 | 1/16 | 25/32 | 1,000 |
| 12-214 | (NPC-14) | 7/8   | 1/2 | 1/16 | 27/32 | 500   |
| 12-216 | (NPC-16) | 1     | 1/2 | 1/16 | 29/32 | 500   |
| 12-218 | (NPC-18) | 1 1/8 | 1/2 | 1/16 | 31/32 | —     |

### Conduit Seals (Pennies)

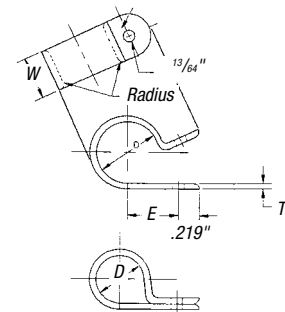
- Steel
- Used to keep plaster out of conduit during construction



| CAT. NO. | SIZE  | STD. CTN. |
|----------|-------|-----------|
| 815-TB   | 1/2   | 1,000     |
| 816      | 3/4   | 500       |
| 817      | 1     | 250       |
| 818      | 1 1/4 | 250       |
| 819      | 1 1/2 | 100       |
| 820      | 2     | 100       |
| 821      | 2 1/2 | 100       |
| 822      | 3     | 50        |
| 824-TB   | 3 1/2 | 25        |
| 823      | 4     | 100       |

### Plastic Clamps — Polypropylene

- Polypropylene
- Cost effective
- Hole size .203 for #10 screw
- Temperature range -40° F to 221° F



| CAT. NO. | DESCRIPTION | DIMENSIONS (IN.) |     |      |       | STD. CTN. |
|----------|-------------|------------------|-----|------|-------|-----------|
|          |             | D                | W   | T    | E     |           |
| 12-502   | (PPC-2)     | 1/8              | 1/2 | 1/16 | 23/64 | 1,000     |
| 12-503   | (PPC-3)     | 3/16             | 1/2 | 1/16 | 27/64 | 1,000     |
| 12-504   | (PPC-4)     | 1/4              | 1/2 | 1/16 | 29/64 | 1,000     |
| 12-505   | (PPC-5)     | 5/16             | 1/2 | 1/16 | 1/2   | 1,000     |
| 12-506   | (PPC-6)     | 3/8              | 1/2 | 1/16 | 17/32 | 1,000     |
| 12-507   | (PPC-7)     | 7/16             | 1/2 | 1/16 | 9/16  | 1,000     |
| 12-508   | (PPC-8)     | 1/2              | 1/2 | 1/16 | 19/32 | 1,000     |
| 12-509   | (PPC-9)     | 9/16             | 1/2 | 1/16 | 5/8   | 1,000     |
| 12-510   | (PPC-10)    | 5/8              | 1/2 | 1/16 | 21/32 | 1,000     |
| 12-511   | (PPC-11)    | 11/16            | 1/2 | 1/16 | 3/4   | 1,000     |
| 12-512   | (PPC-12)    | 3/4              | 1/2 | 1/16 | 25/32 | 500       |
| 12-516   | (PPC-16)    | 1                | 1/2 | 1/16 | 29/32 | —         |

#### Bulk Cartons

|        |          |       |     |      |       |       |
|--------|----------|-------|-----|------|-------|-------|
| 12-602 | (PPC-2)  | 1/8   | 1/2 | 1/16 | 23/64 | 1,000 |
| 12-603 | (PPC-3)  | 3/16  | 1/2 | 1/16 | 27/64 | 1,000 |
| 12-604 | (PPC-4)  | 1/4   | 1/2 | 1/16 | 29/64 | 1,000 |
| 12-605 | (PPC-5)  | 5/16  | 1/2 | 1/16 | 1/2   | 1,000 |
| 12-606 | (PPC-6)  | 3/8   | 1/2 | 1/16 | 17/32 | 1,000 |
| 12-607 | (PPC-7)  | 7/16  | 1/2 | 1/16 | 9/16  | 1,000 |
| 12-608 | (PPC-8)  | 1/2   | 1/2 | 1/16 | 19/32 | 1,000 |
| 12-609 | (PPC-9)  | 9/16  | 1/2 | 1/16 | 5/8   | 1,000 |
| 12-610 | (PPC-10) | 5/8   | 1/2 | 1/16 | 21/32 | 1,000 |
| 12-611 | (PPC-11) | 11/16 | 1/2 | 1/16 | 3/4   | 1,000 |
| 12-612 | (PPC-12) | 3/4   | 1/2 | 1/16 | 25/32 | 1,000 |
| 12-616 | (PPC-16) | 1     | 1/2 | 1/16 | 29/32 | 500   |

## Hardware and Rough-In Products

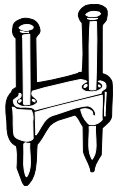
### Steel Cable Staples



| CAT. NO.            | SIZE (IN.) | DESCRIPTION       | H (IN.) | W (IN.) | STD. CTN. |
|---------------------|------------|-------------------|---------|---------|-----------|
| <b>For NM Cable</b> |            |                   |         |         |           |
| 17-130TB            | 1/2        | 2-Wire #12 or #14 | 7/8     | 1/2     | 5,000     |
| 17-140TB            | 1/2        | Romex up to       | 7/8     | 1/2     | 5,000     |
| 17-140B             | 1/2        | 1/2" Wide         | 7/8     | 1/2     | 10,000*   |
| 17140XB             | 1/2        |                   | 7/8     | 1/2     | 17,000    |
| 17-132              | 9/16       | 3-Wire #10 or #12 | 1 1/8   | 37/64   | 5,000     |
| 17-142              | 9/16       | B X Romex; UF up  | 1 1/8   | 37/64   | 5,000     |
| 17-142B             | 9/16       | to 37/64" Wide    | 1 1/8   | 37/64   | 8,000     |
| 17-123              | 3/4        | 3-Wire #6 SEU     | 1 5/16  | 25/32   | 1,000     |
| 17-124TB            | 1          | 3-Wire #2 SEU     | 1 1/2   | 1       | 1,000     |

\* Reusable Plastic Bucket.

### Plastic Cable Staples

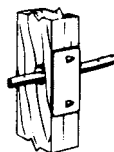


| CAT. NO. | SIZE (IN.) | DESCRIPTION             | STD. CTN. |
|----------|------------|-------------------------|-----------|
| 17-214   | 1/2 (bag)  | 2-Wire, #12-#14 Romex,  | 500       |
| 17-224   | 1/2 (ctn.) | UF and other NM Cable   | 5,000     |
| 17-234   | 1/2 (ctn.) |                         | 5,000     |
| 17-215   | 3/4 (bag)  | 3-Wire #10 or #12 Romex | 500       |
| 17-225   | 3/4 (ctn.) | UF up to 3/8 Wire       | 5,000     |
| 17-235   | 3/4 (ctn.) |                         | 5,000     |

\* Reusable Plastic Bucket.

### Cable Protector Plate

- Protects wires, cords and cables from nail and screw penetration



| CAT. NO. | DESCRIPTION | STD. CTN. |
|----------|-------------|-----------|
| CP-1     | Steel Clip  | 100       |

### Perforated Hanger Strap (3/4" Wide, 20 Gauge)

- Galvanized finish
- Easily bends or twists to desired shape



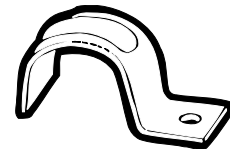
| CAT. NO. | DESCRIPTION | STD. CTN. |
|----------|-------------|-----------|
| 16-263   | 50' Bulk    | 1         |
| 16-264   | 100' Bulk   | 1         |

### Drive Straps

| CAT. NO.                              | EMT SIZE (IN.) | PIPE SIZE (IN.) | STD. CTN. |
|---------------------------------------|----------------|-----------------|-----------|
| <b>For EMT and Pipe (Zinc Plated)</b> |                |                 |           |
| 16-941                                | 3/8-1/2        | 3/8             | 1,000     |
| 16-942                                | 3/4            | 1/2             | 1,000     |



### Service Entrance Cable Straps



| CAT. NO. | THINWALL CONDUIT SIZE (IN.) | STD. CTN. |
|----------|-----------------------------|-----------|
| ECS6     | 3:6, 2:6, 1:8               | 100       |
| ECS2     | 3:2, 2:2, 1:4, 3:4          | 100       |
| ECS20    | 3:2/0, 3:1/0                | 50        |
| ECS40    | 3:4/0                       | 50        |

### Extra-Duty One-Hole Snap-Straps



| CAT. NO. | THINWALL CONDUIT SIZE (IN.) | STD. CTN. |
|----------|-----------------------------|-----------|
| 16-910   | 1/2                         | 500       |

## Hardware and Rough-In Products

### Silicone Lubricant for High-Voltage Electrical Work

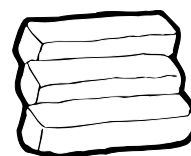
- Seals around junction boxes, flashings, service mast entries, service cable entries and countless other applications



| CAT. NO. | SIZE  | STD. CTN. |
|----------|-------|-----------|
| SL-5     | 5 oz. | 12        |

### Duct Seal

- Can be painted immediately after application
- +20° F to 212° F workable temperature range
- -40° F to 250° F service temperature range
- Contains no asbestos



| CAT. NO. | DESCRIPTION     | PKG. QTY. |
|----------|-----------------|-----------|
| DX-1     | 1-lb. Slug      | 50        |
| DX-5     | (5) 1-lb. Slugs | 10        |
| DX-5S    | 5-lb. Slug      | 10        |

UL Classified R13335.

**Note:** Not classified as a "Fire Stop." For moisture and air sealing only.

### Wire Bristle Brush

- For removing oxides from conductor surfaces
- Easy-grip handle with glove guard to prevent rubber glove puncture



| CAT. NO. | TYPE                       | STD. CTN. |
|----------|----------------------------|-----------|
| WWB1     | Complete Brush with Handle | 6         |
| WRB1     | Wire Element Only, Pair    | 30        |

### CONTAX® Oxide-Inhibiting Compound

- Seals electrical connections from oxygen and moisture
- Non-water soluble, non-petroleum based polymer grease
- Non-toxic, will not irritate the skin
- Service temperature to 460° F; can be applied in 0° F weather

| CAT. NO. | SIZE                  | PKG. QTY. |
|----------|-----------------------|-----------|
| CTA      | ½-oz. Package         | 400       |
| CTB      | 4-oz. Plastic Bottles | 72        |
| CTB8     | 8-oz. Plastic Bottles | 12        |
| CTQ      | Quart Cans            | 6         |
| CTG      | Gallon Cans           | 2         |

## Hardware and Rough-In Products, Wire Testing Equipment

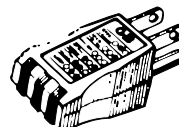
### CTO™ Conduit Threading Oil

This oil is a premium petroleum-type cutting oil, chemically compounded to provide an excellent lubricant and coolant for heavy-duty threading, cutting, tapping and drilling.

| CAT. NO. | DESCRIPTION | PKG. QTY. |
|----------|-------------|-----------|
| 15-112   | 1 Gallon    | 4         |

### Receptacle Tester

- Conveniently tests receptacles for proper wiring, including polarity and presence of safety ground wire
- Label gives interpretations of all readings



| CAT. NO. | DESCRIPTION                         | PKG. QTY. |
|----------|-------------------------------------|-----------|
| 19-060   | Receptacle Tester for 120V Circuits | 6         |

UL File E-80682.

### High-Volt Testers

- 90–250 volts AC/DC
- Convenient pocket clip included



| CAT. NO. | DESCRIPTION                             | PKG. QTY. |
|----------|-----------------------------------------|-----------|
| 19-079   | Tester & Screwdriver, 5" Overall Length | 6         |

### 19-660C Audible Voltage Continuity Tester

Designed for the everyday needs of the professional electrician and made in the USA.

#### This solenoid-type tester model's features include:

- Three voltage indications: Solenoid vibration sensing, electronic neon visual indication and audible buzzer
- Positive AC/DC voltage identification: 6 to 600 volts, 60/50 Hz
- Automatic testing for continuity through 300K ohms
- Electronic buzzer indication for AC/DC voltage and continuity



| CAT. NO. | DESCRIPTION                                      | PKG. QTY. |
|----------|--------------------------------------------------|-----------|
| 19-660C  | Audible Voltage/Continuity Tester, Solenoid Type | 10        |