

# IDEAL WIRE CONNECTOR BROCHURE

BUILT FOR COMFORT | DESIGNED  
FOR PERFORMANCE.



THE ELECTRICIAN'S

**CHAMPION**





You're a pro. You know to wire the job right you need the best wire connectors available.

That's why day in and day out, you choose: IDEAL, the Electrician's Champion™

IDEAL has a connector that's right for every job. Our complete line is built to provide safe, dependable solutions for every application.

Just pick the connector that's right for your job and right for you. You're the pro. You know what works best. IDEAL and Buchanan Wire Connectors. Built for performance and reliability.

For additional details on the entire line of IDEAL Wire Connectors or other products, visit [idealind.com](http://idealind.com)



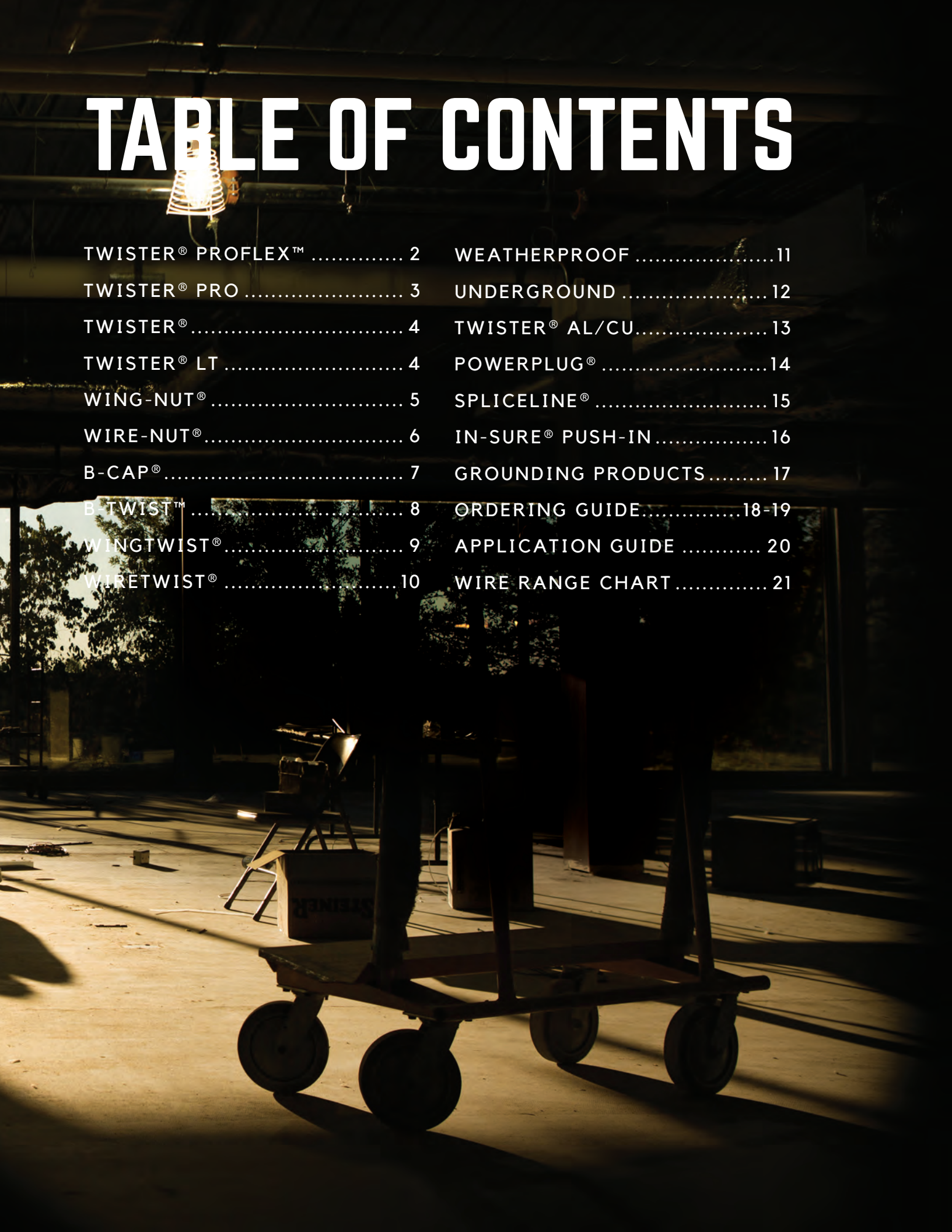
# THE ELECTRICIAN'S CHAMPION™





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# TWISTER® PROFLEX™ WIRE CONNECTORS

## FLEXIBLE SKIRT FOR ADDED PROTECTION

Twister® ProFLEX™ combines the most comfortable connector from IDEAL with the added protection of a flexible skirt. It delivers the widest wire combination range with the highest voltage rating in the industry. Every day performance professional electricians can trust.



Tough UL 94V-2 flame-retardant shell

Swept wing design with SureGrip™ overmold offers greater comfort, leverage and torque for faster connections

Expanding square-wire spring and polypropylene shell deliver a secure connection every time.

Flexible skirt provides improved protection and adapts to tightly fit electrical boxes with limited space



MIN. 2 #18  
MAX. 4 #10

**FAST FACT:**  
Twister® ProFLEX™ has the **highest voltage rating in the industry** at 1000 volts max.



1,000 Volts Max.  
105°C (221°F)

### Twister® ProFLEX™ Wire Connector

|                |            |  |  |  |            |
|----------------|------------|--|--|--|------------|
| 347 Red/Yellow | Min. 2 #18 |  |  |  | Max. 4 #10 |
|----------------|------------|--|--|--|------------|

Wire Combinations:



Made in U.S.A. of U.S. and global components.





# TWISTER<sup>®</sup> PRO

## WIRE CONNECTORS

### CUSHION-GRIP SWEEP WING

When you've got a job where you'll be making connections all day, the red/tan Twister<sup>®</sup> PRO Wire Connector is the one you want. The SureGrip<sup>™</sup> design makes for improved torque while the comfortable swept wings ease hand fatigue. You'll feel the difference immediately.



SureGrip<sup>™</sup> overmolding provides improved leverage and more torque

Better grip and more leverage for faster connections

Widest range in the industry, 2 #18 to Max. 4 #10s

#### FAST FACT:

The Twister<sup>®</sup> PRO is a high performance connector with the **industry's widest wire range** of any red/tan connector.



MIN. 2 #18  
MAX. 4 #10



#### Twister<sup>®</sup> PRO Wire Connector

|                          |            |  |  |  |  |            |
|--------------------------|------------|--|--|--|--|------------|
| 344 <sup>®</sup> Red/Tan | Min. 2 #18 |  |  |  |  | Max. 4 #10 |
|--------------------------|------------|--|--|--|--|------------|

Wire Combinations: 2 #18      4 #14      5 #12      4 #10

600 Volts Max. \*  
105°C (221°F)

1,000 Volts signs and fixtures.

Made in U.S.A. of U.S. and global components.





**PERFECT**

CONNECTOR FOR  
RESIDENTIAL  
JOBS.

# TWISTER® WIRE CONNECTORS COMFORTABLE SWEEP WING

The Twister® Wire Connector easily handles the most common wiring configurations for residential construction projects. An expanding live-action square-wire spring ensures a quick, secure connection.



- Hex-top allows for 5/16" nut driver application
- Durable copolymer shell expands for progressive tightening, a feature that provides dependable connections
- Quick take-up on even the toughest combinations including solid-to-stranded
- Swept-wing design for improved comfort and extra leverage

**FAST FACT:**  
The small profile of the Twister® LT makes it perfect for recessed lighting applications.



MIN. 2 #22  
MAX. 3 #12

MIN. 3 #22  
MAX. 3 #10

MIN. 3 #14  
MAX. 2 #8 w/ 2 #12



**Twister® Wire Connector**

600 Volts Max. \*  
105°C (221°F)

|             |            |              |            |            |  |            |                    |
|-------------|------------|--------------|------------|------------|--|------------|--------------------|
| 340™ Orange | Min. 2 #22 | [Orange bar] |            |            |  | Max. 3 #12 |                    |
| 341® Tan    |            | Min. 3 #22   | [Tan bar]  |            |  | Max. 3 #10 |                    |
| 342® Gray   |            |              | Min. 3 #14 | [Gray bar] |  |            | Max. 2 #8 w/ 2 #12 |

**Wire Combinations:** 2 #22    3 #22    3 #14    3 #12    3 #10    2 #8 w/ 2 #12

\*1,000 Volts signs and fixtures.



Made in U.S.A. of U.S. and global components.





# WING-NUT®

## WIRE CONNECTORS

### HIGH-LEVERAGE WING

The Wing-Nut® Wire Connector provides an easy, secure grip when connecting a wide range of wires. The specially designed contoured wings make for extra torque and quick work on any electrical job.

Copolymer shell expands for smooth, progressive tightening

Expanding, square-wire spring accommodates a wide range of wire sizes and combinations

Contoured wing profile provides extra leverage for maximum torque

#### FAST FACT:

The red Wing-Nut® will accommodate 2 #18 to 4 #10 wires. **THE WIDEST RANGE in the industry!**



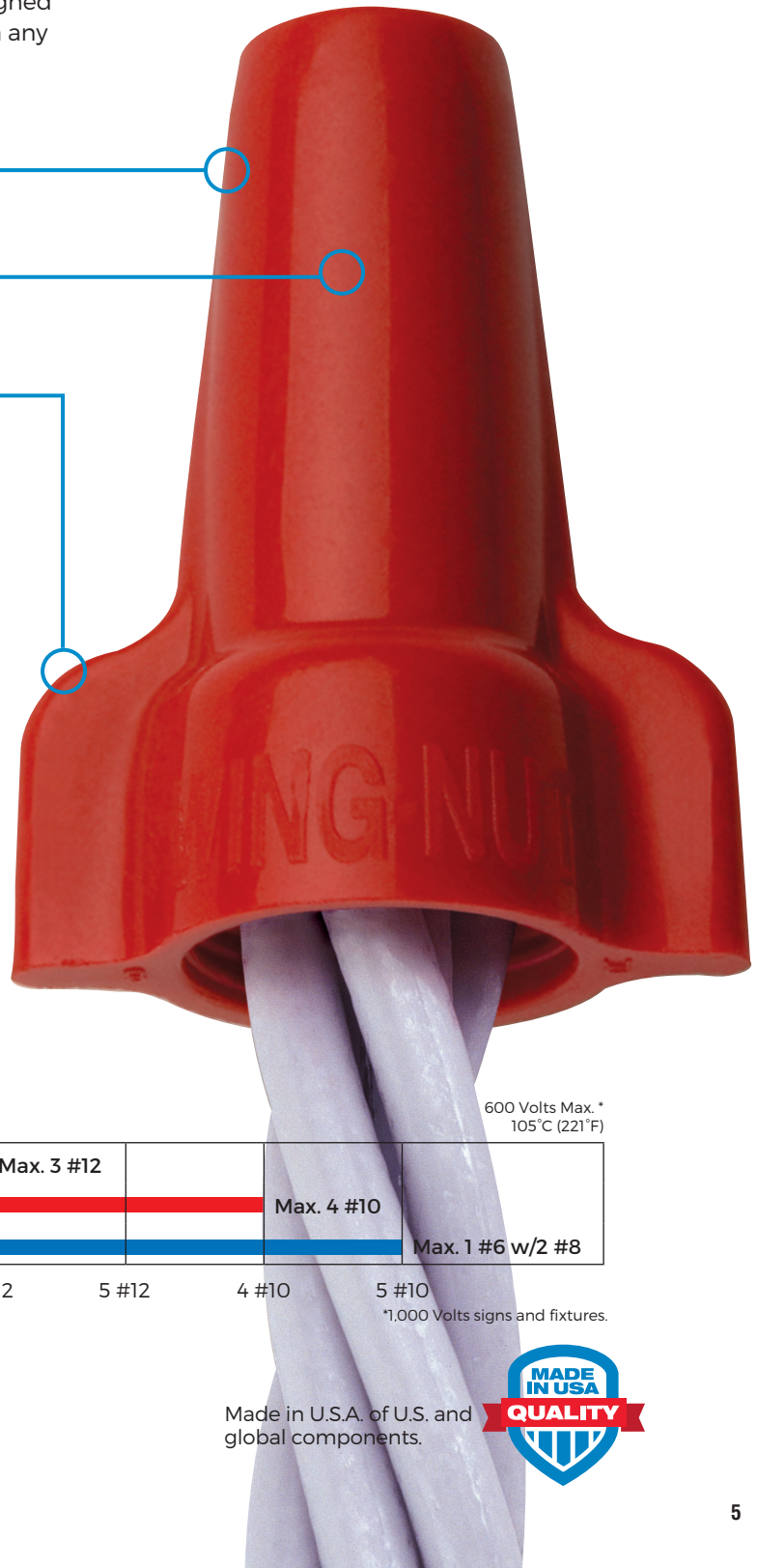
MIN. 2 #18  
MAX. 3 #12



MIN. 2 #18  
MAX. 4 #10



MIN. 3 #12  
MAX. 1 #6 w/2 #8



#### Wing-Nut® Wire Connector

|             |            |              |            |            |  |            |                  |
|-------------|------------|--------------|------------|------------|--|------------|------------------|
| 451® Yellow | Min. 2 #18 | [Yellow bar] |            | Max. 3 #12 |  |            |                  |
| 452® Red    | Min. 2 #18 | [Red bar]    |            |            |  | Max. 4 #10 |                  |
| 454® Blue   |            |              | Min. 3 #12 | [Blue bar] |  |            | Max. 1 #6 w/2 #8 |

Wire Combinations: 2 #18    2 #14    3 #12    5 #12    4 #10    5 #10

600 Volts Max. \*  
105°C (221°F)

\*1,000 Volts signs and fixtures.

Made in U.S.A. of U.S. and global components.





# WIRE-NUT®

## WIRE CONNECTORS

### THE AMERICAN CLASSIC

### SINCE 1928

The original connector, for a full range of wires and jobs. With five color-coded models covering a range of wires from #22 to #6 AWG, the Wire-Nut® Wire Connector is the all-around twist-on you can count on.



Positive-grip shell design

Square-wire fixed spring design creates its own threads for a secure hold

Perfect for fine stranded wire applications



**FAST FACT:**  
Yellow and red Wire-Nut® Wire Connectors can easily be applied using the line of Twist-a-Nut® Screwdrivers.



#### Wire-Nut® Wire Connector

|                     |                 |  |                    |            |                    |  |               |
|---------------------|-----------------|--|--------------------|------------|--------------------|--|---------------|
| 71B® Gray (300V)    | Min. 2 #22 Str. |  |                    |            | Max. 2 #16         | <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>Models 71B®, 72B® and 73B®</b><br/> <b>PLENUM RATED</b><br/>                 Suitable for Air-Handling Space             </div> | 105°C (221°F) |
| 72B® Blue (300V)    | Min. 2 #22      |  |                    |            | Max. 3 #16         |  |               |
| 73B® Orange (600V*) |                 |  | Min. 1 #18 w/1 #20 |            | Max. 2 #14         |  |               |
| 74B® Yellow (600V*) |                 |  | Min. 2 #18         |            | Max. 4 #14 w/1 #18 |  |               |
| 76B® Red (600V*)    |                 |  |                    | Min. 2 #14 | Max. 4 #12         |  |               |

Wire Combinations:

2 #22    2 #20    2 #18    2 #14    3 #12    4 #12

\*1,000 Volts signs and fixtures.



Made in U.S.A. of U.S. and global components.

# B-CAP<sup>®</sup>

## WIRE CONNECTORS

### LOW-PROFILE FIN

The B-CAP<sup>®</sup> Wire Connector gets you in those hard-to-reach spots comfortably, especially when you're retrofitting or updating. With an expanding interior spring, this compact connector accepts a wide range of wire sizes and combinations.

Comfortable, low-profile fin design provides a secure grip for extra leverage

Unique, space-saving profile is perfect for "old work" or shallow boxes

The B2 easily handles 2 #18, up to 5 #12; will even dead-end a single #14

#### FAST FACT:

The B-CAP<sup>®</sup> is extremely popular with veteran electricians because of its wide range and space-saving design.



MIN. 3 #20  
MAX. 3 #12



MIN. 2 #18  
MAX. 5 #12



MIN. 2 #12  
MAX. 2 #6 Str.



#### B-CAP<sup>®</sup> Wire Connector

|              |            |            |                |  |  |
|--------------|------------|------------|----------------|--|--|
| B1 Yellow    | Min. 3 #20 | Max. 3 #12 |                |  |  |
| B2 Red       | Min. 2 #18 | Max. 5 #12 |                |  |  |
| B4 Blue-Gray |            | Min. 2 #12 | Max. 2 #6 Str. |  |  |

**Wire Combinations:** 3 #20    2 #18    2 #12    3 #12    5 #12    2 #6  
 \*1,000 Volts signs and fixtures.

600 V. Max.\*  
105°C (221°F)



Made in U.S.A. of U.S. and global components.



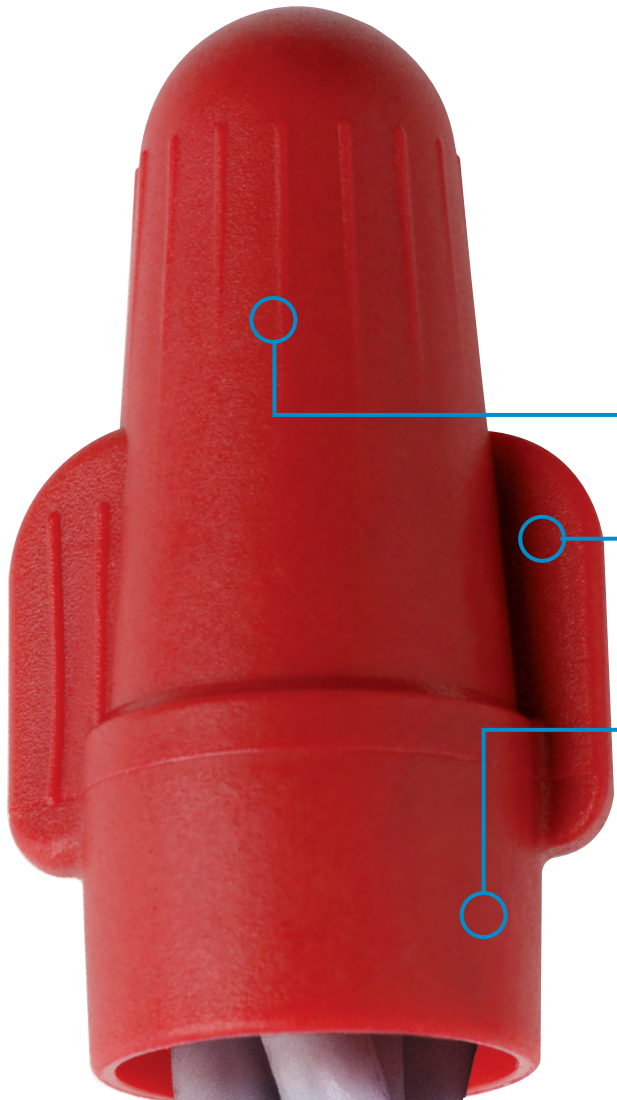


# B-TWIST™

## WIRE CONNECTORS

### LONG, SWEPT-WING, FAST-START SPRING

The B-TWIST™ Wire Connector combines all the features of red and yellow wire connectors in one unique design. The rounded "dial-top" provides fast finger tip starts and its low-profile design fits easily into electrical boxes. With a wide wire range, the B-TWIST™ provides top performance at a great value.



Vertical ribs improve grip

Long swept-wings improve comfort and torque

Deep skirt helps protect over-stripped wires

**WIDER RANGE**  
THAN  
COMPETITOR'S  
TAN/RED

**FAST FACT:**  
The B-TWIST™ handles the entire range of red and yellow connector.



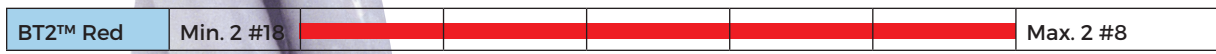
MIN. 2 #18  
MAX. 2 #8



UL LISTED Wire Connector 774A  
Cu/Cu Only  
SP LR9706

#### B-Twist™ Wire Connector

600V. Max.\*  
105°C (221°F)



Wire Combinations: 2 #18    2 #14    3 #12    3 #10    5 #12    2 #8  
\*1,000 Volts signs and fixtures.



Made in U.S.A. of U.S. and global components.



# WINGTWIST® WIRE CONNECTORS CONTOURED SPRING

The contoured wing design of the WingTwist® Wire Connector provides maximum torque for a variety of electrical applications.

Ribs expand for progressive tightening

Contoured wing design improves leverage

Wide deep skirt opening accommodates a variety of wire combinations

### FAST FACT:

A full line for virtually every wire size and combination.



MIN. 2 #18  
MAX. 3 #12



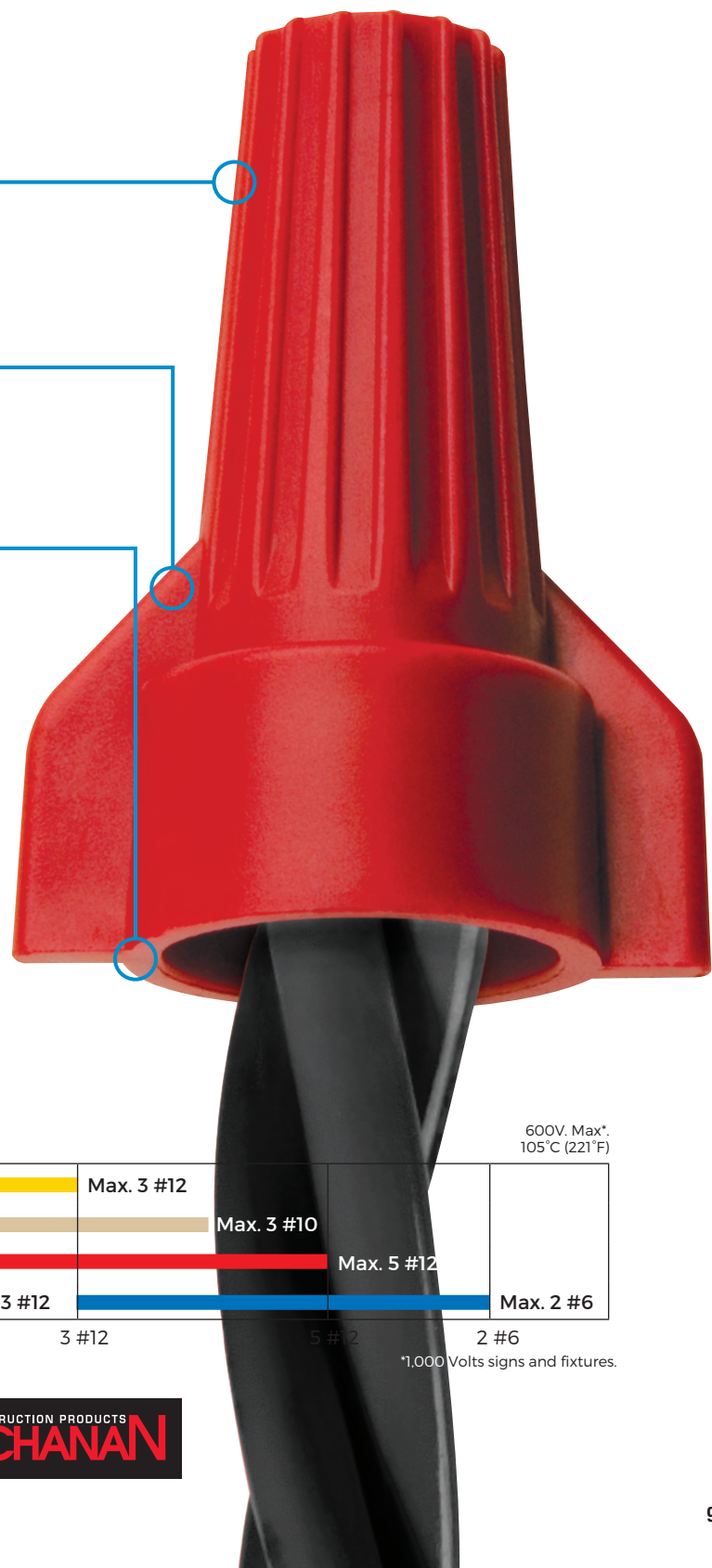
MIN. 2 #20  
MAX. 3 #10



MIN. 2 #14  
MAX. 5 #12



MIN. 3 #12  
MAX. 2 #6



### Wing-Twist® Wire Connector

600V. Max\*.  
105°C (221°F)

|             |            |            |            |            |            |            |           |
|-------------|------------|------------|------------|------------|------------|------------|-----------|
| WT51 Yellow |            | Min. 2 #18 | —————      |            | Max. 3 #12 |            |           |
| WT41 Tan    | Min. 2 #20 | —————      |            |            |            | Max. 3 #10 |           |
| WT52 Red    |            |            | Min. 2 #14 | —————      |            | Max. 5 #12 |           |
| WT54 Blue   |            |            |            | Min. 3 #12 | —————      |            | Max. 2 #6 |

Wire Combinations:

2 #20

2 #18

2 #14

3 #12

5 #12

2 #6

\*1,000 Volts signs and fixtures.

Made in Canada.





# WIRETWIST® WIRE CONNECTORS FIXED-SPRING

The price is right for this economical connector that brings a lot of value in comfort and performance.



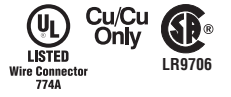
Positive grip shell design for fast, easy installation

Tough, UL 94V-2 Flame-retardant shell rated at 105°C (221°F)

Multiple sizes accommodate a broad range of electrical applications



**FAST FACT:**  
Developed for projects on tight budgets.



## Wire-Twist® Wire Connector

600V, Max.\*  
105°C (221°F)

|                           |            |            |            |       |            |            |            |       |
|---------------------------|------------|------------|------------|-------|------------|------------|------------|-------|
| WT1 Gray (300V)           | Min. 3 #22 |            |            |       | Max. 2 #16 |            |            |       |
| WT2 Blue (300V)           |            | Min. 3 #20 |            |       |            | Max. 3 #16 |            |       |
| WT3 Orange (600V*)        |            |            | Min. 2 #18 |       |            | Max. 2 #14 |            |       |
| WT4 Yellow (600V*)        |            | Min. 3 #20 |            |       |            | Max. 2 #12 |            |       |
| WT6 Red (600V*)           |            |            |            |       | Min. 2 #14 |            | Max. 4 #12 |       |
| <b>Wire Combinations:</b> |            | 3 #22      | 3 #20      | 2 #18 | 2 #16      | 2 #14      | 2 #12      | 4 #12 |

\*1,000 Volts signs and fixtures.

Made in Canada.



# WEATHERPROOF WIRE CONNECTORS ABOVE GRADE (GROUND) USE

Designed specifically for above grade, interior/exterior connections exposed to damp/wet and corrosive environments. WeatherProof Wire Connectors are pre-filled with a non-hardening, silicone-based sealant that protects against moisture and corrosion.

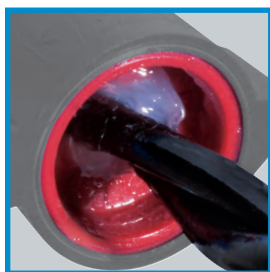


Easy to apply, pre-filled twist-on wire connectors

Swept wing design is designed for comfort and efficiency

UL Listed to 486G Sealed Twist-on Wire Connectors

For use in damp/wet locations or above-grade applications



**FAST FACT:** The silicone-based sealant protects electrical connections against harsh conditions, eliminating the need for heat-shrink or excessive taping.



MIN. 2 #20  
MAX. 2 #14



MIN. 3 #18  
MAX. 2 #10 w/1 #14



MIN. 3 #14  
MAX. 5 #10



## WeatherProof Wire Connector

600V. Max.\*  
105°C (221°F)

|                    |            |            |            |                    |            |  |  |  |  |
|--------------------|------------|------------|------------|--------------------|------------|--|--|--|--|
| 61® Gray/Orange    | Min. 2 #20 | Max. 2 #14 |            |                    |            |  |  |  |  |
| 62® Gray/Red       |            | Min. 3 #18 |            | Max. 2 #10 w/1 #14 |            |  |  |  |  |
| 63® Gray/Dark Blue |            |            | Min. 3 #14 |                    | Max. 5 #10 |  |  |  |  |

**Wire Combinations:** 2 #20 3 #18 2 #14 3 #14 3 #12 3 #10 5 #12 5 #10  
\*1,000 Volts signs and fixtures.

Made in U.S.A. of U.S. and global components.









# UNDERGROUND WIRE CONNECTORS BELOW GRADE (GROUND) USE

UnderGround Wire Connectors are designed to secure and protect connections in a wide variety of below-grade wet location and direct burial applications. Quick and easy installation saves time and energy, eliminating the need for heat shrink, resin-packs, and multi-step corrosion kits.



-  Expanding, live-action square-wire spring for fast, secure, and long lasting connections
-  UL listed to 486G Sealed Twist-on Wire Connectors
-  For use in damp/wet locations or direct burial/ below grade applications
-  Deep skirt provides superior moisture resistance to protect electrical connections

MIN. 3 #12  
MAX. 2 #6 w/1 #10

MIN. 2 #18 Sol.  
MAX. 3 #10

MIN. 1 #20 w/1 #18  
MAX. 1 #10 w/2 #12



**FAST FACT:**  
Tough, thermoplastic shell provides extra protection against accidental impacts.



## WeatherProof Wire Connector

600V, Max.\*  
105° C (221° F)

|                    |                    |                    |  |            |  |            |                   |
|--------------------|--------------------|--------------------|--|------------|--|------------|-------------------|
| 60® Gray/Gray      | Min. 1 #20 w/1 #18 | Max. 1 #10 w/2 #12 |  |            |  |            |                   |
| 64® Gray/Dark Blue |                    | Min. 2 #18 Sol.    |  |            |  | Max. 3 #10 |                   |
| 66™ Gray/Dark Blue |                    |                    |  | Min. 3 #12 |  |            | Max. 2 #6 w/1 #10 |

**Wire Combinations:**      2 #20      2 #18      2 #16      2 #14      3 #12      3 #10      5 #10

\*1,000 Volts signs and fixtures.



# TWISTER® AL/CU

## WIRE CONNECTORS

### AL/CU CONNECTIONS

The Twister® Al/Cu Wire Connector is the only UL listed aluminum-to-copper twist-on connector that prevents aluminum oxidation while providing a secure connection. Anti-oxidant compound cuts through oxidation on aluminum conductors for improved conductivity and cooler connections.

Swept-wing design for comfortable connections

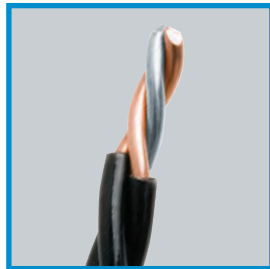
Pre-filled antioxidant compound prevents oxidation of aluminum conductors

Entry cap retains corrosion-resistant compound



#### FAST FACT:

Aluminum wiring was common in 1970's era construction. The Twister® Al/Cu provides a solution for improved connections with today's copper wiring.



Wire Connector also listed as grounding equipment.



#### Twister® Al/Cu Wire Combinations:

|   |                           |
|---|---------------------------|
| 1 #10 Al solid w/1 or 2 #10 Cu solid    | 1 #12 Al w/1 or 2 #14 Cu  |
| 1 #10 Al w/1 or 2 #12 Cu                | 2 #12 Al solid w/1 #14 Cu |
| 2 #10 Al solid w/1 #12 Cu               | 1 #10 Al w/1 or 2 #18 Cu  |
| 1 #10 Al w/1 or 2 #14 Cu                | 2 #10 Al solid w/1 #18 Cu |
| 2 #10 Al solid w/1 #14 Cu               | 1 #12 Al w/1 or 2 #16 Cu  |
| 2 #12 Al solid w/1 #10 Cu               | 2 #12 Al solid w/1 #16 Cu |
| 1 #12 Al solid w/1 or 2 #10 Cu          | 1 #10 Al w/1 or 2 #16 Cu  |
| 1 #12 Al stranded w/1 or 2 #10 Cu solid | 2 #10 Al solid w/1 #16 Cu |
| 1 #12 Al w/1 or 2 #12 Cu                | 1 #12 Al w/1 or 2 #18 Cu  |
| 2 #12 Al solid w/1 #12 Cu               | 2 #12 Al solid w/1 #18 Cu |

600V maximum building wire; 1000V signs or light fixtures, 105°C (221°F)

#### WARNING:

1. One time use only. Do not reuse connector.
2. Do not use on aluminum to aluminum wire combinations.
3. Wiring must comply with all applicable electrical codes.
4. Use with aluminum-to-copper or copper clad-to-copper connections only.



Made in U.S.A. of U.S. and global components.





# POWERPLUG<sup>®</sup> LUMINAIRE DISCONNECTS FAST & EFFICIENT BALLAST INSTALLATION

The IDEAL<sup>®</sup> PowerPlug<sup>®</sup> Luminaire Disconnect is perfect for new lighting installations, retrofit and OEM applications. It's the first push-in luminaire disconnect that fully meets the National Electrical Code for non-residential fluorescent fixtures with ballasts. [2005 NEC 410.73(G), 2008 and 2011 NEC 410.130(G)]

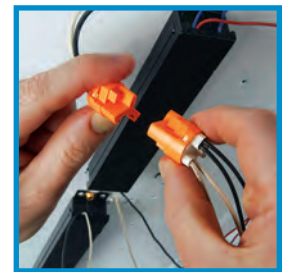
Patented IDEAL<sup>®</sup> push-in technology quickly locks wires in place

Both halves are "touch-safe" per UL 2459

Fits through 1/2" knockout

### FAST FACT:

The PowerPlug<sup>®</sup> allows safe disconnect of hot and neutral ballast wiring.



### PowerPlug<sup>®</sup> 102<sup>®</sup>: 6 Amps/600 Volts Max.

| Wire Range          | Line Side/Ballast Side   |
|---------------------|--|
| Solid               | #12 - #18  |
| Stranded            | #12 - #14 (≤19 strand)   |
| Stranded Tin-Bonded | #12 - #14 (≤19 strand)<br>#16 (≤26 strand)<br>#18 (≤16 strand) |

### PowerPlug<sup>®</sup> 103: 6 Amps/600 Volts Max.

| Wire Range          | Line Side  | Ballast Side     |
|---------------------|--|------------------|
| Solid               | #12 - #18  | #18              |
| Stranded            | #12 - #14 (≤19 strand)   | None             |
| Stranded Tin-Bonded | #12 - #14 (≤19 strand)<br>#16 (≤26 strand)<br>#18 (≤16 strand) | #18 (≤16 strand) |

### PowerPlug<sup>®</sup> 182<sup>®</sup>/183: 3 Amps/600 Volts Max.

| Wire Range | Line Side/Ballast Side |
|------------|------------------------|
| Solid      | #18                    |

6 Amp/600V



102<sup>®</sup>  
2-Pole

Made in U.S.A. of global components.

6 Amp/600V



103  
3-Pole

Made in China

3 Amp/600V



182<sup>®</sup>  
2-Pole

Made in U.S.A. of U.S. and global components.

3 Amp/600V



183  
3-Pole

Made in China

**powerplug<sup>®</sup>**  
Luminaire Disconnect

# SPLICELINE<sup>®</sup>

## IN-LINE WIRE CONNECTORS

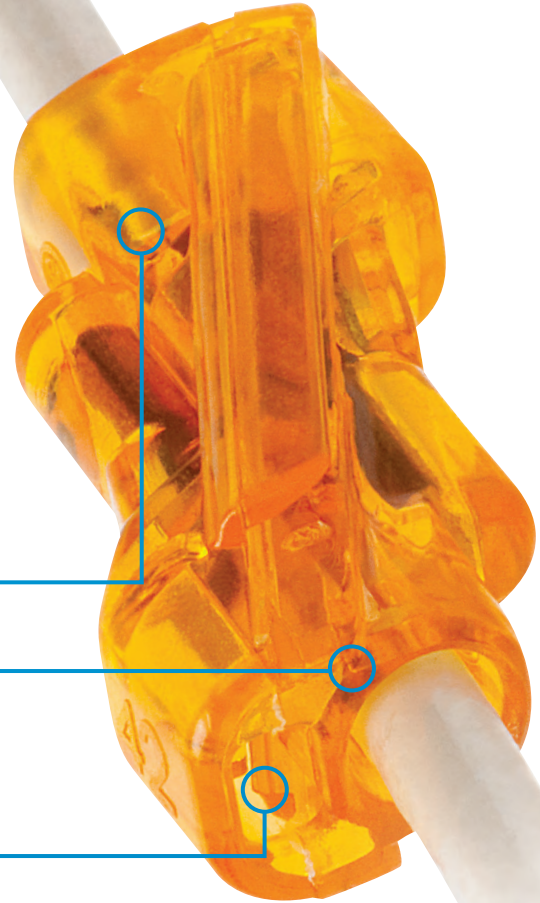
### A FASTER ALTERNATIVE TO THE BUTT SPLICE

The SpliceLine<sup>®</sup> In-Line Wire Connector provides a crimp-free, solderless butt-splice. The two-port model supports a wide range of wires, allowing one connector to do the job of up to three butt-splices. Its end-to-end connection is also a great solution for pre-fab operations.

Transparent polycarbonate shell allows for visual inspection of connection

Slim design fits through 1/2" knockout

Check port for continuity testing



**FAST FACT:**  
Perfect for lengthening short wires, the SpliceLine<sup>®</sup> is **75% faster than butt-splices.**



42  
2-Port



**SpliceLine<sup>®</sup> 42:** 600 Volts Max.

|                     |                        |
|---------------------|------------------------|
| Solid               | #20 - #12              |
| Stranded            | #16 - #12 (≤19 strand) |
| Stranded Tin-Bonded | #18 - #14 (≤19 strand) |

For use on insulation types TFN, TFFN, THHN, XHHW, T90 nylon or equivalent.

**SpliceLine<sup>®</sup>**  
IN-LINE WIRE CONNECTORS

Made in U.S.A. of U.S. and global components.





# IN-SURE® PUSH-IN WIRE CONNECTORS

## STRIP. PUSH. CONNECT.

The In-Sure® Push-In wire connector is perfect for residential, light commercial, lighting retrofit and pre-fab wiring systems. A fast, easy, no-twist solution for terminating connections.

Clear shell allows visual inspection of the connection

No-twist push-in design reduces repetitive motion fatigue

Full line accommodates #20- #12, 2 to 4 wire connections

ACCEPTS  
#10 AWG



39  
3-Port



34  
4-Port



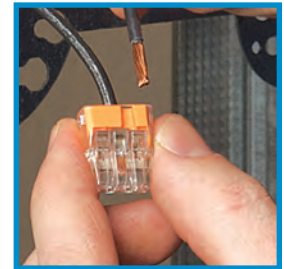
33  
3-Port



32  
2-Port

### FAST FACT:

The In-Sure® Push-In Wire Connector has a low insertion force for fast, easy connections. Great for pre-fab wiring.



600 Volts Max.\*  
105°C (221°F)

#### In-Sure® Models 32, 33, 34:

|                     |  |
|---------------------|--|
| Solid               | #20 - #12                                |
| Stranded            | #16 - #12 (≤19 strand)<br>#18 (7 strand) |
| Stranded Tin-Bonded | #18 - #14 (≤19 strand)                   |

600 Volts Max.\*  
105°C (221°F)

#### In-Sure® Model 39:

|                     |                        |
|---------------------|------------------------|
| Solid               | #14 - #10              |
| Stranded            | #12 - #10 (≤19 strand) |
| Stranded Tin-Bonded | #14 - #10 (≤19 strand) |

\*1,000 Volts maximum signs and fixtures.



Made in U.S.A.

# GROUNDING PRODUCTS

## WE'VE GOT GROUNDING COVERED

Grounding Pigtails are designed for a wide variety of grounding applications. The ultra-flexible lead wire and bonding jumpers make for fast and efficient pigtailling.

Ultra-flexible lead wires tuck easily into box

Heavy-duty fork terminals attach easily to grounding screw

Thread-forming ground screw with combo, hex, and #2 Robertson head

### NEW Push Tail™ Grounding Product



- 12 AWG Wire, 8 in. tail
- Pre-installed 4-port In-Sure® Push-In Wire Connector

Ensures compliance with NEC standards

**BGR**  
MIN. 2 #14  
MAX. 5 #12

**WGR**  
MIN. 2 #14  
MAX. 5 #12

**Greenie® 92®**  
MIN. 2 #14  
MAX. 4 #12

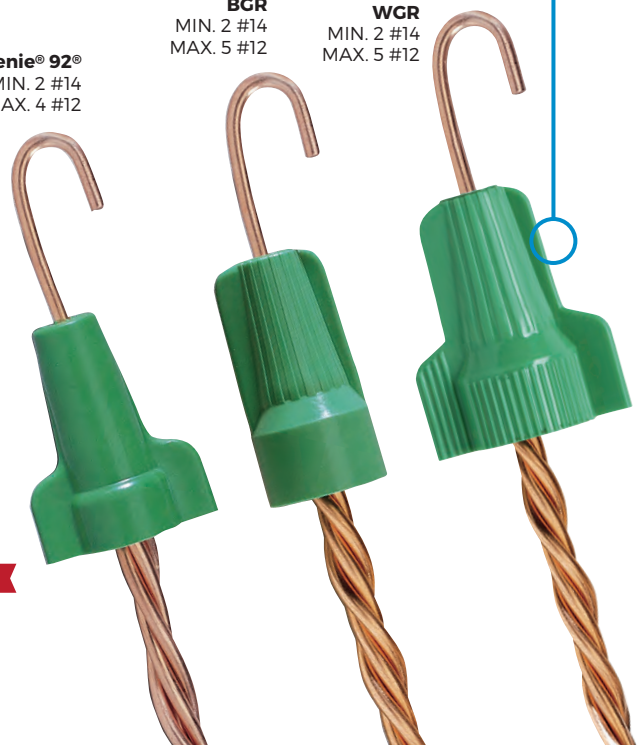
### Greenie®, Green-B® & WGR Grounding Connectors

Designed for making ground connections and bonding non-metallic sheathed cable.

UL Listed and CSA Certified; fully meets the intent of NEC sections 250.146 and 250.148




Made in U.S.A. of U.S. and global components.







# Ordering Guide




## Twister® ProFLEX Wire Connectors

| Model   | Quantity         | Cat. No.        |
|---|------------------|-----------------|
|  347 Red/<br>Yellow | Box of 50        | <b>30-1047</b>  |
|   | Bag of 250       | <b>30-347</b>   |
|   | Jar of 500       | <b>30-1347J</b> |
|   | Barrel of 15,000 | <b>30-747</b>   |

## Twister® Wire Connectors

| Model   | Quantity         | Cat. No.       |
|---|------------------|----------------|
|  340™ Orange  | Box of 100       | <b>30-340</b>  |
|   | Jar of 500       | <b>30-640J</b> |
|  341® Tan     | Box of 100       | <b>30-341</b>  |
|   | Jar of 400       | <b>30-441J</b> |
|   | Bag of 500       | <b>30-641</b>  |
|   | Jar of 750       | <b>30-341J</b> |
|   | Barrel of 25,000 | <b>30-841</b>  |
|  342® Gray    | Box of 50        | <b>30-342</b>  |
|   | Bag of 250       | <b>30-642</b>  |
|   | Barrel of 15,000 | <b>30-842</b>  |
|  344® Red/Tan | Box of 50        | <b>30-144</b>  |
|   | Jar of 250       | <b>30-244J</b> |
|   | Jar of 500       | <b>30-644J</b> |
|   | Barrel of 20,000 | <b>30-944</b>  |




## Wing-Nut® Wire Connectors

| Model   | Quantity         | Cat. No.       |
|---|------------------|----------------|
|  451° Yellow | Box of 100       | <b>30-451</b>  |
|   | Jar of 225       | <b>30-451J</b> |
|   | Jar of 500       | <b>30-651J</b> |
|   | Bag of 500       | <b>30-651</b>  |
|   | Barrel of 35,000 | <b>30-851</b>  |
|  452° Red   | Box of 100       | <b>30-452</b>  |
|   | Jar of 300       | <b>30-452J</b> |
|   | Jar of 500       | <b>30-652J</b> |
|   | Bag of 500       | <b>30-652</b>  |
|  454° Blue  | Box of 25        | <b>30-454</b>  |
|   | Bag of 100       | <b>30-654</b>  |


## Wire-Nut® Wire Connectors

| Model  | Quantity         | Cat. No.       |
|--|------------------|----------------|
|  71B® Gray   | Box of 100       | <b>30-071</b>  |
|  | Keg of 25,000    | <b>30-271</b>  |
|  72B® Blue   | Box of 100       | <b>30-072</b>  |
|  | Keg of 10,000    | <b>30-272</b>  |
|  | Barrel of 85,000 | <b>30-872</b>  |
|  73B® Orange | Box of 100       | <b>30-073</b>  |
|  | Jar of 300       | <b>30-073J</b> |
|  | Bag of 500       | <b>30-273</b>  |
|  | Keg of 10,000    | <b>30-673</b>  |
|  | Barrel of 50,000 | <b>30-873</b>  |
|  74B® Yellow | Box of 100       | <b>30-074</b>  |
|  | Jar of 175       | <b>30-074J</b> |
|  | Bag of 500       | <b>30-274</b>  |
|  | Keg of 5,000     | <b>30-674</b>  |
|  76B® Red    | Box of 100       | <b>30-076</b>  |
|  | Jar of 150       | <b>30-076J</b> |
|  | Bag of 250       | <b>30-276</b>  |



## B-CAP® Wire Connectors

| Model  | Quantity      | Cat. No.        |
|--|---------------|-----------------|
|  B1 Yellow    | Box of 100    | <b>B1-1</b>     |
|  | Jar of 250    | <b>B1-250JR</b> |
|  | Jar of 500    | <b>B1-500JR</b> |
|  | Bag of 500    | <b>B1-B</b>     |
|  B2 Red       | Box of 100    | <b>B2-1</b>     |
|  | Jar of 350    | <b>B2-350JR</b> |
|  | Jar of 500    | <b>B2-500JR</b> |
|  B4 Blue/Gray | Bag of 500    | <b>B2-B</b>     |
|  | Box of 25     | <b>B4-1</b>     |
|  | Carton of 250 | <b>B4-B</b>     |






## B-Twist™ Wire Connectors

| Model  | Quantity         | Cat. No.         |
|--|------------------|------------------|
|  BT2™ Red | Box of 100       | <b>BT2-1</b>     |
|  | Jar of 500       | <b>BT2-500JR</b> |
|  | Barrel of 25,000 | <b>BT2-SK</b>    |

## WingTwist® Wire Connectors

| Model   | Quantity         | Cat. No.          |
|---|------------------|-------------------|
|  WT51 Yellow | Box of 100       | <b>WT51-1</b>     |
|   | Bag of 500       | <b>WT51-B</b>     |
|   | Jar of 500       | <b>WT51-500JR</b> |
|   | Barrel of 25,000 | <b>WT51-SK</b>    |
|  WT41 Tan   | Box of 100       | <b>WT41-1</b>     |
|   | Bag of 500       | <b>WT41-B</b>     |
|   | Jar of 500       | <b>WT41-500JR</b> |
|   | Barrel of 25,000 | <b>WT41-SK</b>    |
|  WT52 Red  | Box of 100       | <b>WT52-1</b>     |
|   | Bag of 500       | <b>WT52-B</b>     |
|   | Jar of 500       | <b>WT52-500JR</b> |
|   | Barrel of 25,000 | <b>WT52-SK</b>    |
|  WT54 Blue | Box of 50        | <b>WT54-1</b>     |
|   | Bag of 100       | <b>WT54-B</b>     |




## WireTwist® Wire Connectors

| Model  | Quantity   | Cat. No.     |
|--|------------|--------------|
|  WT1 Gray   | Box of 100 | <b>WT1-1</b> |
|  | Bag of 500 | <b>WT1-B</b> |
|  WT2 Blue   | Box of 100 | <b>WT2-1</b> |
|  | Bag of 500 | <b>WT2-B</b> |
|  WT3 Orange | Box of 100 | <b>WT3-1</b> |
|  | Bag of 500 | <b>WT3-B</b> |
|  WT4 Yellow | Box of 100 | <b>WT4-1</b> |
|  | Bag of 500 | <b>WT4-B</b> |
|  WT6 Red    | Box of 100 | <b>WT6-1</b> |
|  | Bag of 250 | <b>WT6-B</b> |




Other package configurations available. Please contact IDEAL or your local IDEAL distributor for more information.




## WeatherProof Wire Connectors

| Model   | Quantity          | Cat. No.        |
|---|-------------------|-----------------|
| 61 <sup>®</sup> /62 <sup>®</sup>  | Asst., Card of 10 | <b>30-6162</b>  |
|  61 <sup>®</sup> Gray/Orange   | Card of 25        | <b>30-1161</b>  |
|   | Jar of 150        | <b>30-1261J</b> |
|   | Carton of 1,000   | <b>30-1361</b>  |
|  62 <sup>®</sup> Gray/Red      | Card of 20        | <b>30-1162</b>  |
|   | Jar of 100        | <b>30-1262J</b> |
|   | Carton of 1,000   | <b>30-1362</b>  |
|  63 <sup>®</sup> Gray/Dk. Blue | Card of 15        | <b>30-1163</b>  |
|   | Jar of 50         | <b>30-1263J</b> |
|   | Carton of 1,000   | <b>30-1363</b>  |





## UnderGround Wire Connectors

| Model   | Quantity          | Cat. No.       |
|---|-------------------|----------------|
| 60 <sup>®</sup> /64 <sup>®</sup>  | Asst., Card of 10 | <b>30-6064</b> |
|  60 <sup>®</sup> Gray/Gray     | Card of 25        | <b>30-1160</b> |
|   | Box of 100        | <b>30-1260</b> |
|  64 <sup>®</sup> Gray/Dk. Blue | Box of 50         | <b>30-1264</b> |
|  66 <sup>™</sup> Gray/Dk. Blue | Box of 50         | <b>30-1066</b> |

## Twister<sup>®</sup> Al/Cu Wire Connectors

| Model  | Quantity        | Cat. No.      |
|--|-----------------|---------------|
|  65 Purple | Card of 2       | <b>30-065</b> |
|  | Card of 10      | <b>30-765</b> |
|  | Card of 25      | <b>30-165</b> |
|  | Box of 100      | <b>30-265</b> |
|  | Carton of 1,000 | <b>30-365</b> |


## PowerPlug<sup>®</sup> Luminaire Disconnects

| Model   | Quantity     | Cat. No.        |
|---|--------------|-----------------|
|  102 <sup>®</sup> 2-Pole | Card of 25   | <b>30-372</b>   |
|   | Jar of 75    | <b>30-382J</b>  |
|   | Jar of 150   | <b>30-352J</b>  |
|   | Box of 1,000 | <b>30-102</b>   |
|  103 3-Pole              | Card of 20   | <b>30-383X</b>  |
|   | Jar of 100   | <b>30-353XJ</b> |
|  182 <sup>®</sup> 2-Pole | Box of 100   | <b>30-082</b>   |
|   | Box of 2,500 | <b>30-682</b>   |
|  183 3-Pole              | Box of 100   | <b>30-083</b>   |
|   | Box of 2,500 | <b>30-683</b>   |





## Maintenance Lighting Kits

| Model                     | Quantity | Cat. No.       |
|---------------------------|----------|----------------|
| Basic Lighting Kit        | Assorted | <b>30-2255</b> |
| Lighting Installation Kit | Assorted | <b>30-2257</b> |


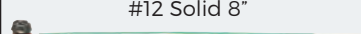






## SpliceLine<sup>®</sup> Wire Connectors

| Model  | Quantity     | Cat. No.        |
|--|--------------|-----------------|
|  42 Orange | Bag of 10    | <b>30-1342S</b> |
|  | Box of 100   | <b>30-1042</b>  |
|  | Jar of 300   | <b>30-1042J</b> |
|  | Box of 2,500 | <b>30-1642</b>  |





## In-Sure<sup>®</sup> Push-In Wire Connectors

| Model  | Quantity     | Cat. No.        |
|--|--------------|-----------------|
|  32 Red 2-Port              | Box of 100   | <b>30-1032</b>  |
|  | Jar of 300   | <b>30-1032J</b> |
|  | Box of 5,000 | <b>30-1632</b>  |
|  33 Orange 3-Port           | Box of 100   | <b>30-1033</b>  |
|  | Jar of 250   | <b>30-1033J</b> |
|  | Box of 5,000 | <b>30-1633</b>  |
|  34 Yellow 4-Port           | Box of 100   | <b>30-1034</b>  |
|  | Jar of 200   | <b>30-1034J</b> |
|  | Box of 5,000 | <b>30-1634</b>  |
|  39 Blue (#14 - #10) 3-Port | Box of 50    | <b>30-1039</b>  |
|  | Jar of 150   | <b>30-1039J</b> |

## Grounding Products

| Model  | Quantity      | Cat. No.       |
|--|---------------|----------------|
|  #14 Solid 8"      | Bulk of 1,000 | <b>30-3390</b> |
|  #12 Solid 8"      | Bag of 50     | <b>30-3392</b> |
|  | Box of 100    | <b>30-3399</b> |
|  #14 Stranded 8" | Box of 1,000  | <b>30-3496</b> |
|  | Bag of 25     | <b>30-3183</b> |
|  #12 Stranded 8" | Bag of 25     | <b>30-3184</b> |
|  | Box of 50     | <b>30-3385</b> |
|                                        | Box of 1,000  | <b>30-3284</b> |
|  | Box of 500    | <b>30-3286</b> |
|                                        | Bag of 25     | <b>30-3287</b> |
|  | Bag of 25     | <b>30-3288</b> |
|                                        | Bag of 25     | <b>30-3289</b> |
|  | Bag of 25     | <b>30-3289</b> |
|                                        | Bag of 25     | <b>30-3415</b> |
|  | Carton of 250 | <b>30-3414</b> |

Other tail lengths, wire gauges, combinations and package configurations available.

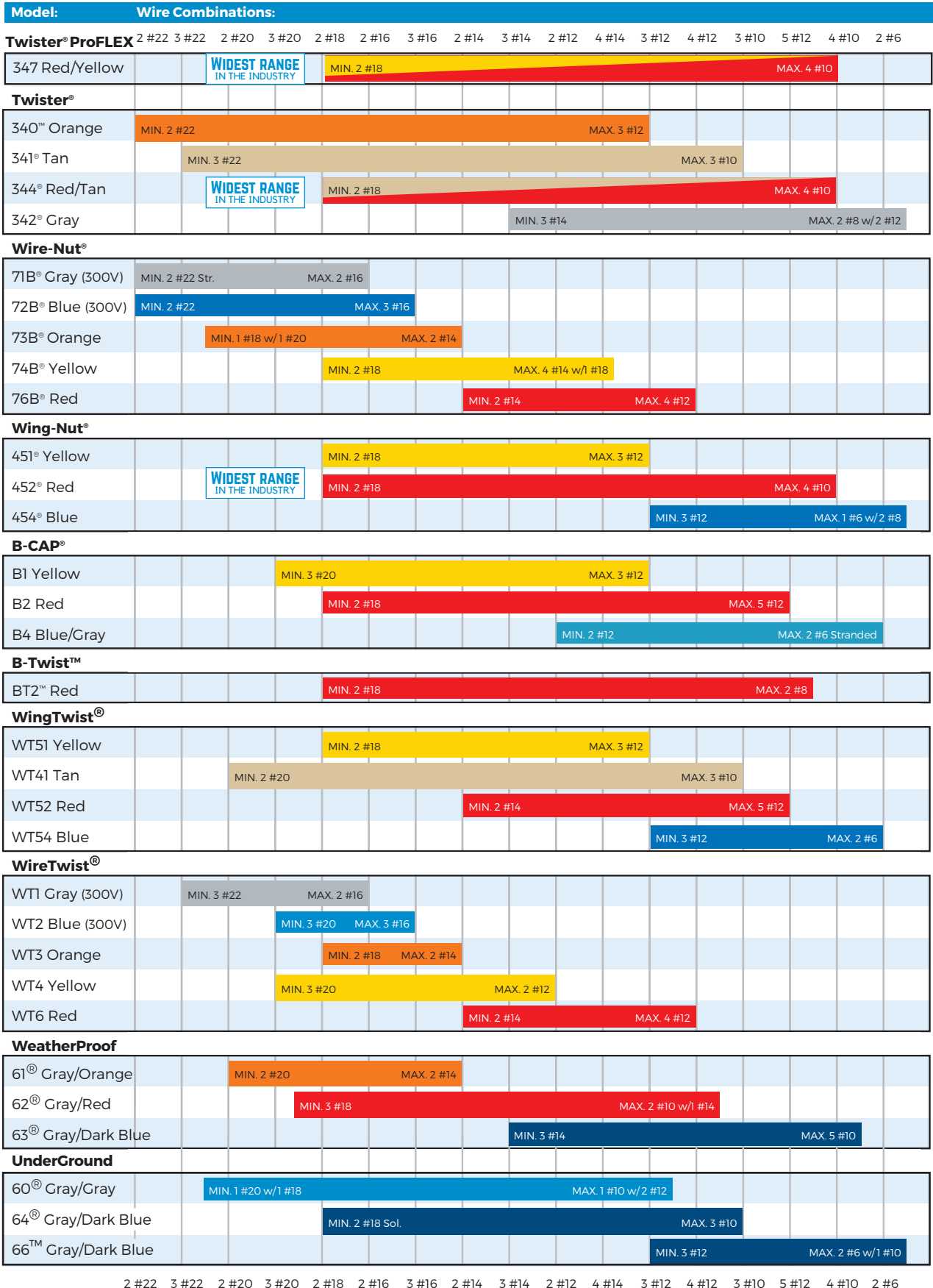
| Model  | Quantity      | Cat. No.       |
|--|---------------|----------------|
|  92 <sup>°</sup> Greenie <sup>®</sup> | Box of 100    | <b>30-092</b>  |
|  | Jar of 150    | <b>30-092J</b> |
|  | Bag of 500    | <b>30-292</b>  |
|  BGR Green-B <sup>®</sup>             | Box of 50     | <b>BGR-1</b>   |
|  | Carton of 250 | <b>BGR-B</b>   |
|  WGR Green                            | Box of 50     | <b>WGR-1</b>   |
|  | Carton of 250 | <b>WGR-B</b>   |
| Model  | Quantity      | Cat. No.       |
|  Ground Screw                         | Pack of 50    | <b>30-3194</b> |
|  | Jar of 100    | <b>30-3594</b> |

# WIRE CONNECTOR APPLICATION GUIDE

| Model             | RESIDENTIAL    |             |              |            |                     |      |                    |                     |            |                         | COMMERCIAL       |           |                   |          |                     |             |                |      |  |  |
|-------------------|----------------|-------------|--------------|------------|---------------------|------|--------------------|---------------------|------------|-------------------------|------------------|-----------|-------------------|----------|---------------------|-------------|----------------|------|--|--|
|                   | Light Switches | Receptacles | Ceiling Fans | Can Lights | Thermostat Controls | HVAC | Smoke/CO Detectors | Garage Door Openers | Door Bells | Multi-Gang Switch Boxes | Security Systems | Intercoms | Recessed Lighting | Controls | Illuminated Signage | Receptacles | 3-Phase Motors | HVAC |  |  |
| <b>Twister®</b>   |                |             |              |            |                     |      |                    |                     |            |                         |                  |           |                   |          |                     |             |                |      |  |  |
| 347 Red/Yellow    | •              | •           |              |            |                     | •    |                    | •                   |            | •                       | •                |           |                   | •        | •                   |             | •              | •    |  |  |
| 340™ Orange       | •              | •           | •            | •          | •                   | •    | •                  | •                   |            |                         |                  |           |                   |          |                     |             |                |      |  |  |
| 341® Tan          | •              | •           |              |            |                     | •    | •                  | •                   |            |                         |                  |           |                   |          |                     |             |                | •    |  |  |
| 344® Red/Tan      | •              | •           |              |            |                     | •    |                    | •                   |            |                         |                  |           | •                 | •        | •                   | •           | •              | •    |  |  |
| 342® Gray         |                |             |              |            |                     |      |                    |                     |            |                         |                  | •         | •                 |          | •                   | •           | •              | •    |  |  |
| <b>Wire-Nut®</b>  |                |             |              |            |                     |      |                    |                     |            |                         |                  |           |                   |          |                     |             |                |      |  |  |
| 71B® Gray         |                |             |              |            | •                   |      |                    |                     |            |                         | •                | •         |                   |          |                     |             |                |      |  |  |
| 72B® Blue         |                |             |              |            | •                   | •    |                    |                     |            |                         | •                | •         |                   |          |                     |             |                | •    |  |  |
| 73B® Orange       |                |             | •            | •          |                     |      |                    | •                   |            | •                       | •                |           |                   |          |                     |             |                | •    |  |  |
| 74B® Yellow       | •              |             | •            | •          |                     |      |                    | •                   |            |                         | •                | •         |                   |          |                     |             |                |      |  |  |
| 76B® Red          | •              | •           |              |            |                     |      |                    | •                   |            | •                       | •                |           |                   |          |                     |             |                | •    |  |  |
| <b>Wing-Nut®</b>  |                |             |              |            |                     |      |                    |                     |            |                         |                  |           |                   |          |                     |             |                |      |  |  |
| 451® Yellow       | •              | •           | •            | •          |                     |      |                    | •                   |            |                         | •                |           |                   |          |                     |             |                | •    |  |  |
| 452® Red          | •              | •           |              |            |                     |      |                    | •                   |            |                         | •                | •         |                   | •        | •                   | •           | •              | •    |  |  |
| 454® Blue         |                |             |              |            |                     |      |                    |                     |            |                         | •                | •         |                   | •        | •                   | •           | •              | •    |  |  |
| <b>B-CAP®</b>     |                |             |              |            |                     |      |                    |                     |            |                         |                  |           |                   |          |                     |             |                |      |  |  |
| B1 Yellow         | •              |             | •            | •          |                     |      |                    | •                   |            |                         | •                |           |                   |          |                     |             |                | •    |  |  |
| B2 Red            | •              | •           |              |            |                     |      |                    | •                   |            |                         | •                | •         |                   | •        | •                   | •           | •              | •    |  |  |
| B4 Blue           |                |             |              |            |                     |      |                    |                     |            |                         | •                | •         |                   | •        | •                   | •           | •              | •    |  |  |
| <b>B-Twist™</b>   |                |             |              |            |                     |      |                    |                     |            |                         |                  |           |                   |          |                     |             |                |      |  |  |
| BT2™ Red          | •              | •           |              |            |                     |      |                    | •                   |            |                         | •                | •         |                   | •        | •                   | •           | •              | •    |  |  |
| <b>WingTwist®</b> |                |             |              |            |                     |      |                    |                     |            |                         |                  |           |                   |          |                     |             |                |      |  |  |
| WT51 Yellow       | •              |             | •            | •          |                     |      |                    | •                   |            |                         | •                |           |                   |          |                     |             |                | •    |  |  |
| WT41 Tan          | •              | •           |              |            |                     |      |                    | •                   | •          | •                       | •                |           |                   |          |                     |             |                | •    |  |  |
| WT52 Red          | •              | •           |              |            |                     |      |                    | •                   |            |                         | •                | •         |                   | •        | •                   | •           | •              | •    |  |  |
| WT54 Blue         |                |             |              |            |                     |      |                    |                     |            |                         | •                | •         |                   | •        | •                   | •           | •              | •    |  |  |
| <b>WireTwist®</b> |                |             |              |            |                     |      |                    |                     |            |                         |                  |           |                   |          |                     |             |                |      |  |  |
| WT1 Gray          |                |             |              |            | •                   |      |                    |                     |            |                         | •                | •         |                   |          |                     |             |                |      |  |  |
| WT2 Blue          |                |             |              |            | •                   | •    |                    | •                   |            |                         | •                | •         |                   |          |                     |             |                | •    |  |  |
| WT3 Orange        |                |             | •            | •          |                     |      |                    | •                   |            | •                       | •                |           |                   |          |                     |             |                | •    |  |  |
| WT4 Yellow        | •              |             | •            | •          |                     |      |                    | •                   |            |                         | •                | •         |                   |          |                     |             |                | •    |  |  |
| WT6 Red           | •              | •           |              |            |                     |      |                    | •                   |            |                         | •                | •         |                   | •        | •                   | •           | •              | •    |  |  |

| Model               | RESIDENTIAL          |                       |                       |                     |                        |                  |                 |                         |                 |                      | COMMERCIAL       |                   |                             |            |                   |                 |                |      |  |  |
|---------------------|----------------------|-----------------------|-----------------------|---------------------|------------------------|------------------|-----------------|-------------------------|-----------------|----------------------|------------------|-------------------|-----------------------------|------------|-------------------|-----------------|----------------|------|--|--|
|                     | Landscaping Lighting | Pool Filters/Controls | Outdoor Power Outlets | Patio/Deck Lighting | Bathroom/Spa Vent Fans | Security Systems | Basement/Garage | Lawn-Sprinkler Controls | Sump/Well Pumps | Landscaping Lighting | Security Systems | Exterior Lighting | Street/Parking Lot Lighting | Car Washes | Processing Plants | Traffic Signals | Ejection Pumps | HVAC |  |  |
| <b>WeatherProof</b> |                      |                       |                       |                     |                        |                  |                 |                         |                 |                      |                  |                   |                             |            |                   |                 |                |      |  |  |
| 61® Gray/Orange     |                      |                       |                       |                     | •                      | •                |                 | •                       |                 |                      | •                | •                 |                             | •          | •                 |                 |                | •    |  |  |
| 62® Gray/Red        |                      | •                     | •                     | •                   |                        |                  |                 | •                       |                 |                      | •                | •                 |                             |            |                   |                 |                | •    |  |  |
| 63® Gray/Dk. Blue   |                      | •                     | •                     | •                   |                        |                  |                 | •                       |                 |                      | •                | •                 |                             |            |                   |                 |                | •    |  |  |
| <b>UnderGround</b>  |                      |                       |                       |                     |                        |                  |                 |                         |                 |                      |                  |                   |                             |            |                   |                 |                |      |  |  |
| 60® Gray/Gray       | •                    |                       |                       | •                   | •                      |                  |                 |                         |                 |                      | •                | •                 |                             | •          | •                 |                 |                | •    |  |  |
| 64® Gray/Dk. Blue   | •                    |                       |                       |                     | •                      |                  |                 |                         |                 |                      | •                | •                 |                             | •          | •                 |                 |                | •    |  |  |
| 66™ Gray/Dk. Blue   |                      |                       |                       |                     |                        |                  |                 |                         |                 |                      | •                | •                 |                             | •          | •                 |                 |                | •    |  |  |

# WIRE RANGE CHART



2 #22 3 #22 2 #20 3 #20 2 #18 2 #16 3 #16 2 #14 3 #14 2 #12 4 #14 3 #12 4 #12 3 #10 5 #12 4 #10 2 #6





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