

IDEAL WIRE CONNECTOR BROCHURE

BUILT FOR COMFORT
DESIGNED FOR
PERFORMANCE.



Wide Wire
Range



Flexible
Skirt



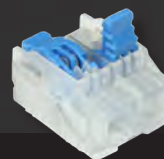
High-Leverage
Wing



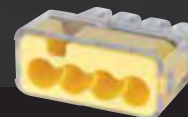
Swept
Wing



American
Classic



Insert. Close.
Connect.



Push-In
Design

THE ELECTRICIAN'S
CHAMPION™





CHAMPIONS CLUB

WHERE ELECTRICIANS GET REWARDED



The Champions Club™ is a rewards program created to champion you - the electrical professional and apprentice dedicated to the trade that powers our world.

Become a champion today.

THE ELECTRICIAN'S
CHAMPION™ 

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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.

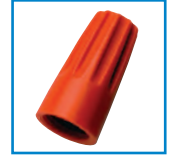


TWIST-ON WIRE CONNECTORS

A DESIGN FOR EVERY APPLICATION

Wire-Nut® Wire Connectors - The American Classic Since 1928

This American classic is the original connector that started it all. The Wire-Nut® Wire Connector has five color-coded models that cover a full range of applications from 22 to 6 AWG. The ribbed shell provides a positive grip and the fixed, square-wire spring provides a secure connection.



Wing-Nut® Wire Connectors - High-Leverage Wing

For extra leverage and superior torque, 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. Three models cover from 18 to 6 AWG and include, the **Red 452® Wing-Nut® with the widest range of any wing-styled connector in the industry.**



Twister® Wire Connectors - Comfortable, Swept Wing

The industry's choice for comfort. With three models, the Twister® Wire Connector easily handles the most common wiring configurations for residential construction projects from 22 to 6 AWG. A patented, expanding square-wire spring helps to ensure a quick, secure connection.



Twister® Pro Wire Connectors - Widest Wire Range

The Twister Pro® and ProFLEX™ family combines the most comfortable wire connector from IDEAL Electrical with the widest wire range of any multi-colored connectors in the industry. These connectors are designed with a live-action spring and high-leverage wings that provide excellent grip and torque. The ProFLEX™ and ProFLEX™ Mini are also engineered with a flexible skirt for added protection, providing everyday performance professional electricians can trust.



B-CAP® Wire Connectors - Low-Profile Fin

The B-CAP® Wire Connector gets you into those hard-to-reach spots comfortably, especially when you're retrofitting or updating. The contoured classic fin design provides a secure grip for extra torque, while the expanding interior spring accepts a wide range of wire sizes and combinations. Three models cover from 22 to 6 AWG.



B-Twist™ Wire Connectors - Long, Swept Wing, Fast-Start Spring

The All-in-One connector that gets the job done. The B-Twist™ Wire Connector combines all the features of red and yellow wire connectors in one outstanding design. The rounded "dial-top" provides fast, fingertip starts that come to torque quickly and the low-profile design fits easily into electrical boxes. With a super-wide range, the B-Twist™ provides top performance at a great value.



WeatherProof (Above Grade) / UnderGround (Below Grade) Wire Connectors

Twist-on connectors for underground and wet location installations. Six models cover a wide range of wire sizes from 22 to 6 AWG. The WeatherProof and UnderGround Wire Connector line features a 100% non-hardening silicone sealant to provide safe, moisture-free electrical connections. UL Listed and CSA Certified for damp/wet and direct burial applications.



Twister® Al/Cu Wire Connectors - Al/Cu Connections

The only twist-on connector for aluminum-to-copper connections. The specially formulated anti-oxidant compound prevents oxidation on aluminum conductors for improved conductivity and cooler connections. UL Listed and CSA Certified for aluminum-to-copper connections.



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.



FAST FACT

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



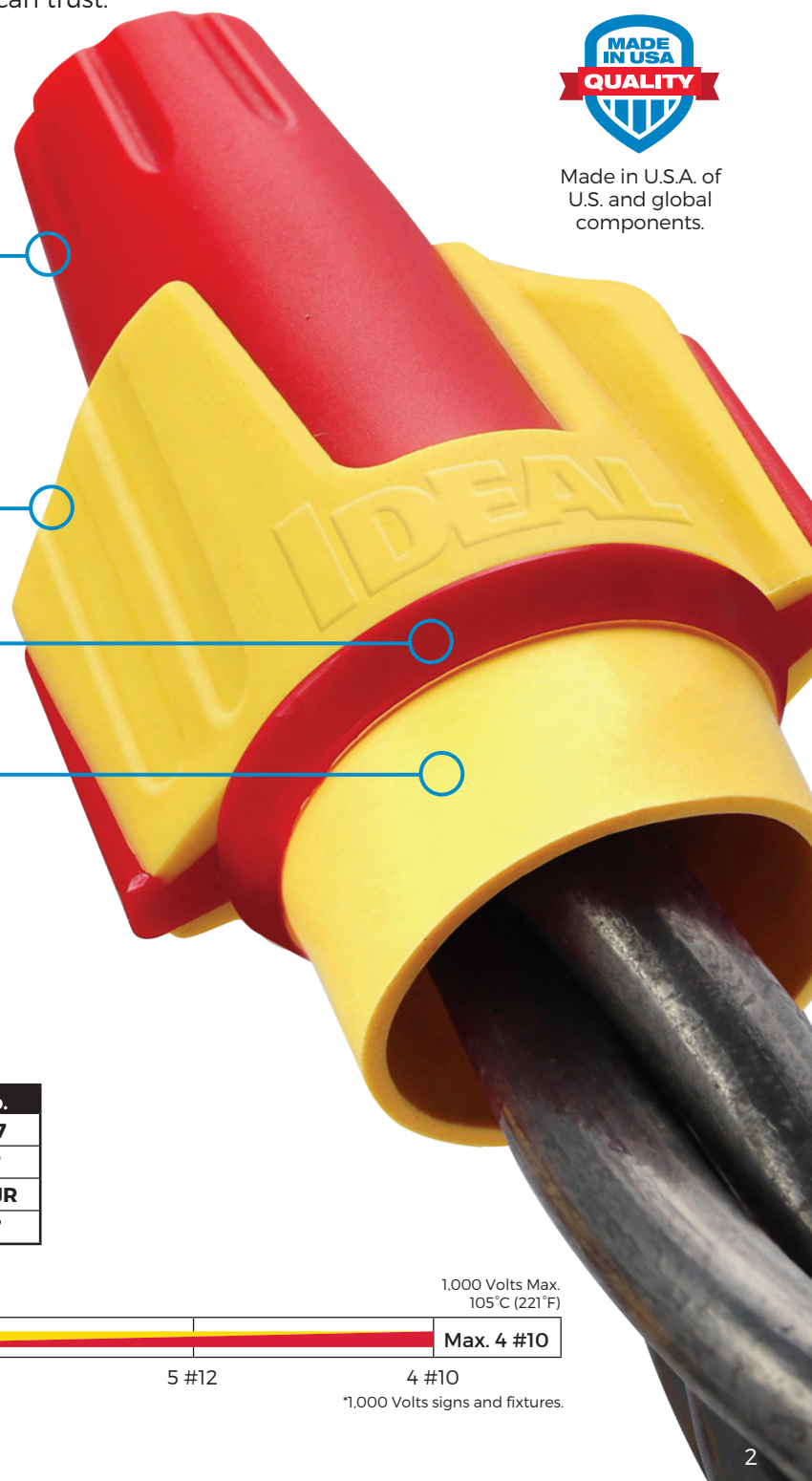
Made in U.S.A. of U.S. and global components.

Tough UL 94V-2 flame-retardant shell


Swept wing design with SureGrip™ overmold offers great comfort, leverage and torque for fast 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



Ordering Information

Model	Quantity	Cat. No.
 347 Red/Yellow Min. 2 #18 - Max. 4 #10	Box of 50	30-1047
	Bag of 250	30-347
	Jar of 400	30-1347JR
	Barrel of 15,000	30-747

Twister® ProfLEX™ Wire Connector

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

Wire Combinations:



2 #18

4 #14

5 #12

4 #10

*1,000 Volts signs and fixtures.

1,000 Volts Max.
105°C (221°F)

TWISTER® PROFLEX™ MINI

WIRE CONNECTORS

FLEXIBLE SKIRT FOR ADDED PROTECTION

The Twister® ProFLEX™ Mini combines the most comfortable wire connector from IDEAL Electrical with the added protection of a flexible skirt. Its space-saving design fits the tightest electrical spaces while accommodating the widest wire range of any orange/blue connector from 2 #22 AWG to 4 #12 solid AWG wire.



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



RATED
4 #12
SOLID



FAST FACT
Space-saving design to fit into tight spaces

Ordering Information

Model	Quantity	Cat. No.
343 Orange/Blue Min. 2 #22 - Max. 4 #12 Solid	Box of 100	30-343
	Jar of 500	30-643J
	Barrel of 35,000	30-843

Twister® ProFLEX™ Mini Wire Connector

343 Orange/Blue	Min. 2 #22					Max. 4 #12
-----------------	------------	--	--	--	--	------------

Wire Combinations:

2 #22

2 #18

2 #12

4 #12



Wire Connector
774A
Cu/Cu
Only

600 Volts Max. *
105°C (221°F)

*1,000 Volts signs and fixtures.

TWISTER® 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® Pro Wire Connector is the one you want. The SureGrip™ design makes for improved torque while the comfortable swept wings ease hand fatigue. You'll feel the difference immediately.



FAST FACT

Twister® Pro is a high performance connector with the **industry's widest wire range** of any red/tan connector.

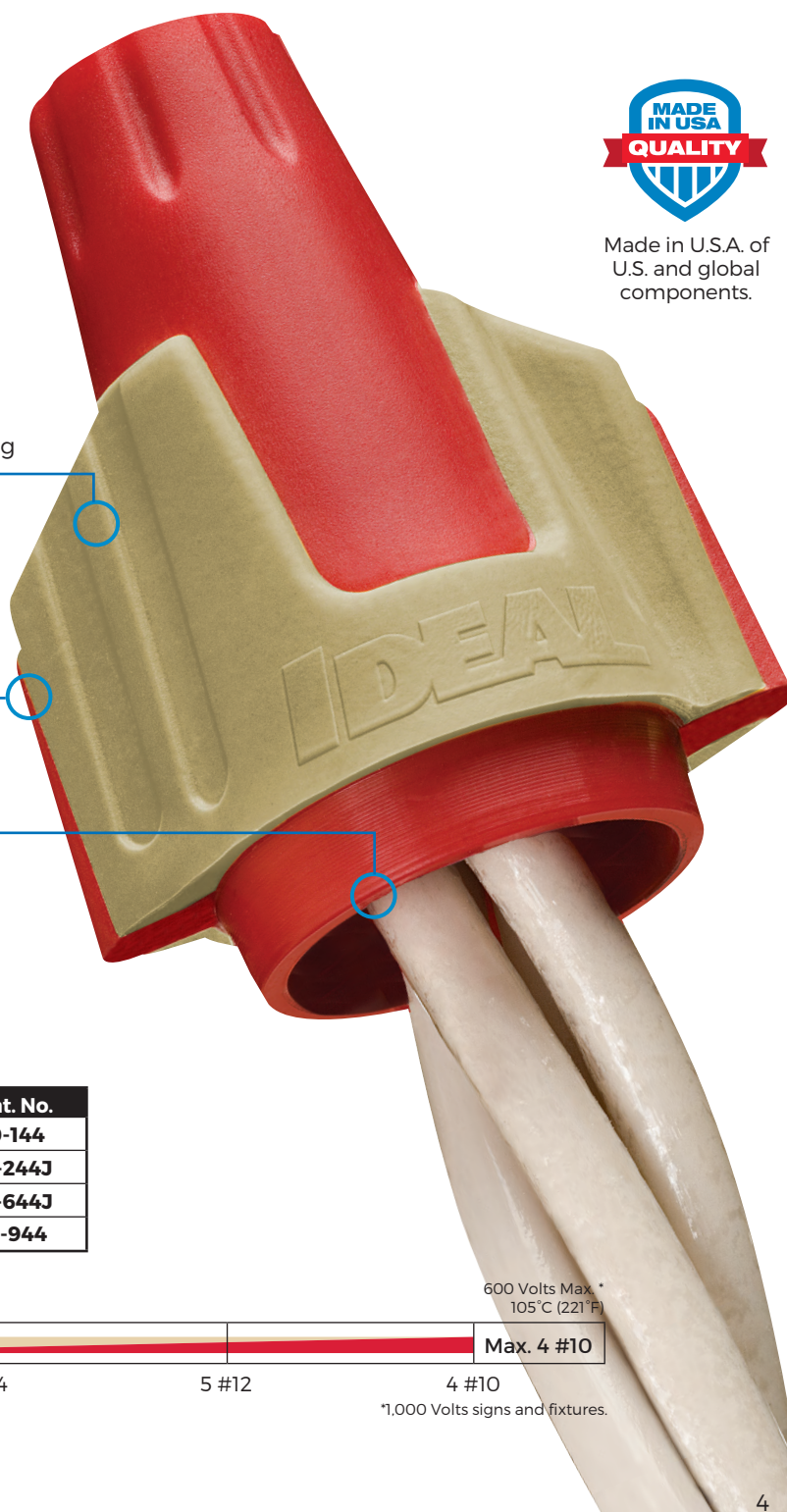
SureGrip™ overmolding provides improved leverage and torque

Better grip and more leverage for fast connections


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



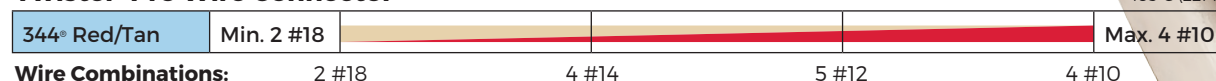
Made in U.S.A. of U.S. and global components.



Ordering Information

Model	Quantity	Cat. No.
 344® Red/Tan Min. 2 #18 - Max. 4 #10	Box of 50	30-144
	Jar of 250	30-244J
	Jar of 500	30-644J
	Barrel of 20,000	30-944

Twister® Pro Wire Connector



Wire Combinations:



600 Volts Max. *
105°C (221°F)

*1,000 Volts signs and fixtures.

TWISTER®

WIRE CONNECTORS

COMFORTABLE SWEEP WING

PERFECT
CONNECTOR FOR
RESIDENTIAL
JOBS.

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.



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

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

Swept-wing design
for comfort and extra
leverage

Ordering Information

Model	Quantity	Cat. No.
 341® Tan Min. 3 #22 - Max. 3#10	Box of 100	30-341
	Jar of 750	30-341J
	Bag of 500	30-641
	Jar of 500	30-641J
	Carton of 1,000	30-541
	Barrel of 25,000	30-841
 342® Gray Min. 3 #14 - Max. 2 #8 w/2 #12	Box of 50	30-342
	Bag of 250	30-642
	Barrel of 15,000	30-842

Twister® Wire Connector

600 Volts Max. *
105°C (221°F)

341® Tan		Min. 3 #22					Max. 3 #10	
342® Gray			Min. 3 #14					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.



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.

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

FAST FACT

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






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

Ordering Information

Model	Quantity	Cat. No.
 451® Yellow Min. 2 #18 - Max. 3 #12	Box of 100	30-451
	Jar of 225	30-451J
	Bag of 500	30-651
	Jar of 500	30-651J
	Carton of 1,000	30-551
	Barrel of 35,000	30-851
 452® Red Min. 2 #18 - Max. 4 #10	Box of 100	30-452
	Jar of 300	30-452J
	Bag of 500	30-652
	Jar of 500	30-652J
	Carton of 1,000	30-552
	Barrel of 25,000	30-852
 454® Blue Min. 3 #12 - Max. 1 #6 w/2 #8	Box of 25	30-454
	Carton of 250	30-554
	Bag of 100	30-654

Wing-Nut® Wire Connector

451® Yellow	Min. 2 #18		Max. 3 #12				
452® Red	Min. 2 #18					Max. 4 #10	
454® Blue			Min. 3 #12				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.

WIRE-NUT®

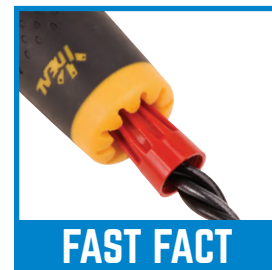
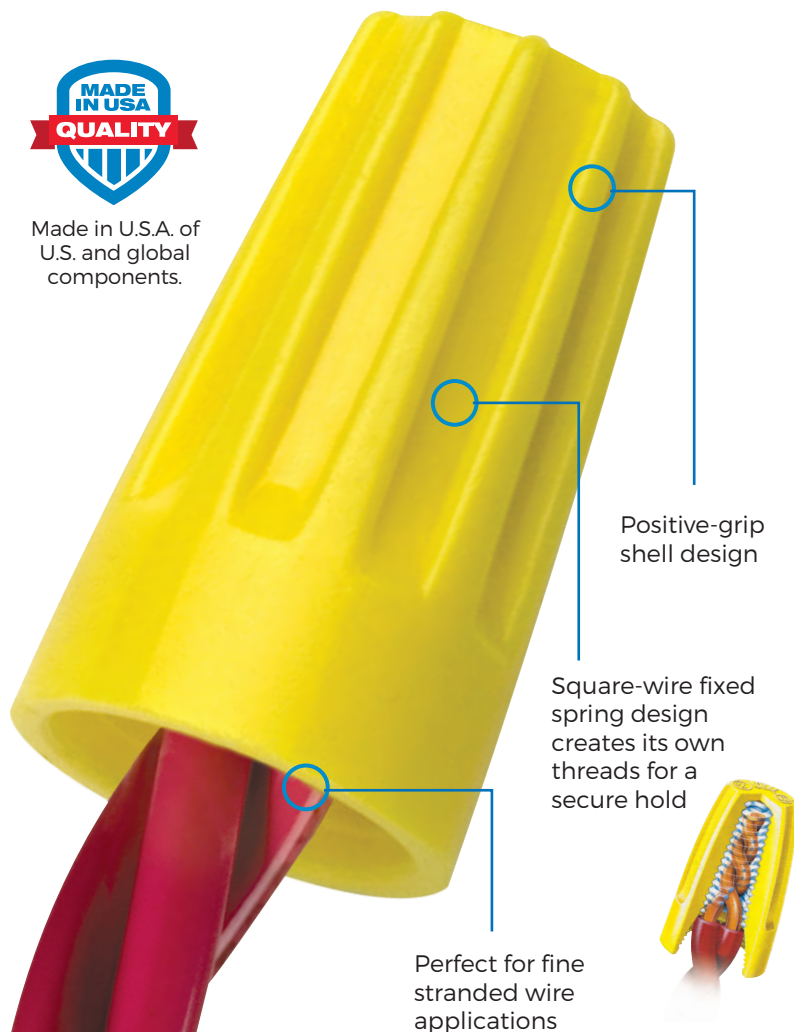
WIRE CONNECTORS

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 AWC, the Wire-Nut® Wire Connector is the all-around twist-on you can count on.



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



FAST FACT

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

Ordering Information

Model	Quantity	Cat. No.
 71B® Gray Min. 2 #22 Str. - Max. 2 #16	Box of 100	30-071
	Carton of 1,000	30-171
	Barrel of 25,000	30-271
 72B® Blue Min. 2 #22 - Max. 3 #16	Box of 100	30-072
	Carton of 1,000	30-172
	Barrel of 10,000	30-272
 73B® Orange Min. 1 #18 w/1 #20 - Max. 2 #14	Box of 100	30-073
	Jar of 300	30-073J
	Bag of 500	30-273
	Carton of 1,000	30-173
 74B® Yellow Min. 2 #18 - Max. 4 #14 w/1 #18	Barrel of 10,000	30-673
	Barrel of 50,000	30-873
	Box of 100	30-074
	Jar of 175	30-074J
	Bag of 500	30-274
 76B® Red Min. 2 #14 - Max. 4 #12	Carton of 1,000	30-174
	Barrel of 5,000	30-674
	Barrel of 35,000	30-874
	Box of 100	30-076
	Jar of 150	30-076J
	Bag of 250	30-276
	Carton of 1,000	30-176
	Barrel of 15,000	30-876

Wire-Nut® Wire Connector

Model	Min. Wire Size	Max. Wire Size	Max. Temp
71B® Gray (300V)	Min. 2 #22 Str.	Max. 2 #16	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	

Models 71B®, 72B® and 73B®
PLENUM RATED
Suitable for Air-Handling Space

Wire Combinations:

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

*1,000 Volts signs and fixtures.



Wire Connector 774A

B-CAP®

WIRE CONNECTORS

LOW-PROFILE FIN

The B-CAP® 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.



FAST FACT

The B-CAP® is extremely popular with veteran electrician's because of its wide range and space-saving design.

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






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

Ordering Information

Model	Quantity	Cat. No.
 B1 Yellow Min. 3 #20 - Max. 3 #12	Box of 100	B1-1
	Jar of 250	B1-250JR
	Jar of 500	B1-500JR
	Bag of 500	B1-B
	Barrel of 25,000	B1-SK
 B2 Red Min. 2 #18 - Max. 5 #12	Box of 100	B2-1
	Jar of 350	B2-350JR
	Jar of 500	B2-500JR
	Bag of 500	B2-B
	Barrel of 25,000	B2-SK
 B4 Blue-Gray Min. 2 #12 - Max. 2 #6 Str.	Box of 25	B4-1
	Carton of 250	B4-B

B-CAP® Wire Connector

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

Wire Combinations: 3 #20 2 #18 2 #12 3 #12 5 #12 2 #6



600 V. max.*
105°C (221°F)

*1,000 Volts signs and fixtures.

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.

WINGTWIST®

WIRE CONNECTORS

CONTOURED SPRING

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

A full line for virtually every wire size and combination.

FAST FACT

Ribs expand for progressive tightening

Contoured wing design improves leverage

Wide deep skirt opening accommodates a variety of wire combinations

Ordering Information

Model	Quantity	Cat. No.
 WT51 Yellow Min. 2 #18 - Max. 3 #12	Box of 100	WT51-1
	Bag of 500	WT51-B
	Jar of 500	WT51-500JR
	Barrel of 25,000	WT51-SK
 WT41 Tan Min. 2 #20 - Max. 3 #10	Box of 100	WT41-1
	Bag of 500	WT41-B
	Jar of 500	WT41-500JR
	Barrel of 25,000	WT41-SK
 WT52 Red Min. 2 #14 - Max. 5 #12	Box of 100	WT52-1
	Bag of 500	WT52-B
	Jar of 500	WT52-500JR
	Barrel of 25,000	WT52-SK
 WT54 Blue Min. 3 #12 - Max. 2 #6	Box of 50	WT54-1
	Bag of 100	WT54-B

WingTwist® Wire Connector

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

Wire Combinations: 2 #20 2 #18 2 #14 3 #12 5 #12 2 #6

600V. Max*.
105°C (221°F)

*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.

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

Developed
for projects
on tight
budgets.

FAST FACT

Ordering Information

Model	Quantity	Cat. No.
 WT1 Gray Min. 3 #22 - Max. 2 #16	Box of 100	WT1-1
	Bag of 500	WT1-B
 WT2 Blue Min. 3 #20 - Max. 3 #16	Box of 100	WT2-1
	Bag of 500	WT2-B
	Barrel of 50,000	WT2-SK
 WT3 Orange Min. 2 #18 - Max. 2 #14	Box of 100	WT3-1
	Bag of 500	WT3-B
	Barrel of 50,000	WT3-SK
 WT4 Yellow Min. 3 #20 - Max. 2 #12	Box of 100	WT4-1
	Bag of 500	WT4-B
 WT6 Red Min. 2 #14 - Max. 4 #12	Box of 100	WT6-1
	Bag of 250	WT6-B

Positive grip
shell design
for fast, easy
installation

Multiple sizes
accommodate
a broad range
of electrical
applications

WireTwist® 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

Wire Combinations:

3 #22 3 #20 2 #18 2 #16 2 #14 2 #12 4 #12

*1,000 Volts signs and fixtures.



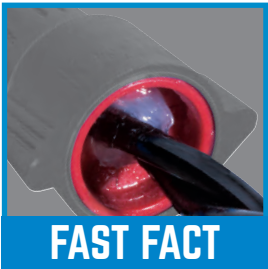
Made in Canada.



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.



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

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



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

Ordering Information

Model	Quantity	Cat. No.
 61° Gray/Orange Min. 2 #20 - Max. 2 #14	Card of 25	30-1161
	Jar of 150	30-1261J
	Carton of 1,000	30-1361
 62° Gray/Red Min. 3 #18 - Max. 2 #10 w/ 1 #14	Card of 20	30-1162
	Jar of 100	30-1262J
	Carton of 1,000	30-1362
 63° Gray/Dr. Blue Min. 3 #14 Max. 5 #10	Card of 15	30-1163
	Jar of 50	30-1263J
	Carton of 1,000	30-1363

WeatherProof Wire Connector

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.



600V, Max.*
105°C (221°F)

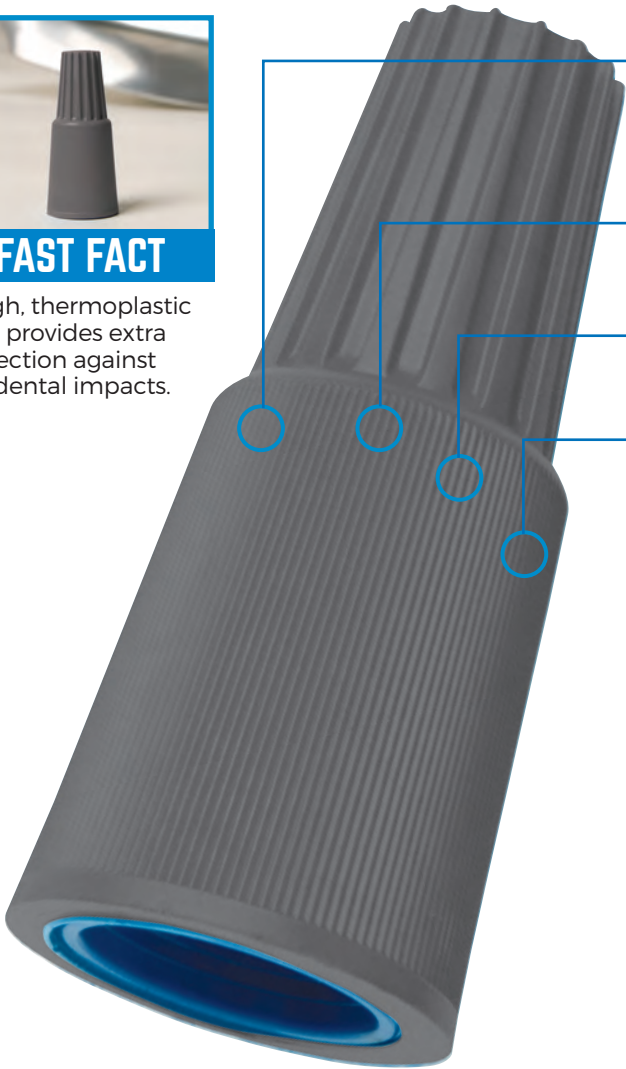
UNDERGROUND WIRE CONNECTORS BELOW GRADE (GROUND) USE

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



FAST FACT

Tough, thermoplastic shell provides extra protection against accidental impacts.



UL listed to 486G Sealed Twist-on Wire Connectors

Expanding, live-action square-wire spring for fast, secure, and long lasting connections




For use in damp/wet locations or direct burial/ below grade applications

Deep skirt provides superior moisture resistance to protect electrical connections



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

Ordering Information

Model	Quantity	Cat. No.
 60° Gray/Gray Min. 1 #20 w/1 #18 Max. 1 #10 w/2 #12	Card of 25	30-1160
	Box of 100	30-1260
 64° Gray/Dr. Blue Min. 2 #18 Sol. - Max. 3 #10	Box of 50	30-1264
 66™ Gray/Dr. Blue Min. 3 #12 - Max. 2 #6 w/1 #10	Box of 50	30-1066

UnderGround Wire Connector

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:

1 #20 2 #18 2 #16 2 #14 3 #12 3 #10 5 #10



*1,000 Volts signs and fixtures.

Quazite® is a registered trademark of Hubbell.

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.

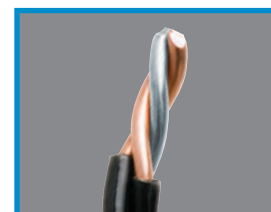


Made in U.S.A. of U.S. and global components.

Pre-filled antioxidant compound prevents oxidation of aluminum conductors

Swept-wing design for comfortable connections


Entry cap retains corrosion-resistant compound



FAST FACT

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

Ordering Information

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

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)



Wire Connector also listed as grounding equipment.



AL-CU (intermixed - dry locations). For use with Aluminum-to-Copper, Copper Clad Aluminum (CCA)-to-Copper, or CCA-to-CCA wire combinations. One-time use only, do not reuse connector.

PUSH-IN WIRE CONNECTORS

Lever Wire Connectors - Insert. Close. Connect.

Lever Wire Connectors provide the perfect solution for joining solid and stranded wires. These safe, reliable and reusable connectors feature a clear housing allows verification of connection. Compact design makes this connector perfect for tight spaces.



In-Sure® Push-In Wire Connectors - Strip. Push. Connect.

Perfect for OEM lighting manufacturing, prefabricated wiring systems, and other branch circuit wiring applications where a traditional twist-on wire connector would be used. Simply push the wire in. The low insertion force makes it easy. UL Listed, CSA Certified and rated to 600V and 105°C, the In-Sure® Push-In Wire Connector saves time and improves productivity while perfecting connections.



SpliceLine® In-Line Wire Connectors - Faster Alternative to the Butt Splice

The SpliceLine® 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. The end-to-end connection is a great solution for pre-fab operations.



In-Sure® MC-PCS Wire Connectors - Strip. Push. Close.

These connectors are used to splice the control and signal conductor pairs in MC-PCS cable and offer the same industry leading In-Sure® Push-In Connector performance. The outer sheath provides the required separation between power and control conductors inside electrical boxes or enclosures per 2020 NEC article 175.136.



PowerPlug® Luminaire Disconnects - Fast Efficient Ballast Installation

Perfect for new lighting installations, retrofit and OEM applications. The PowerPlug® from IDEAL Electrical is the first push-in luminaire disconnect that fully meets the current National Electrical Code and Canadian Electric Code for non-residential fluorescent luminaires.



IN-SURE® LEVER WIRE CONNECTORS

INSERT. CLOSE. CONNECT.

NEW

Lever wire connectors provide the perfect solution for joining solid and stranded wires. These versatile connectors have a compact design and take up less room in junction boxes and enclosures.



FAST FACT

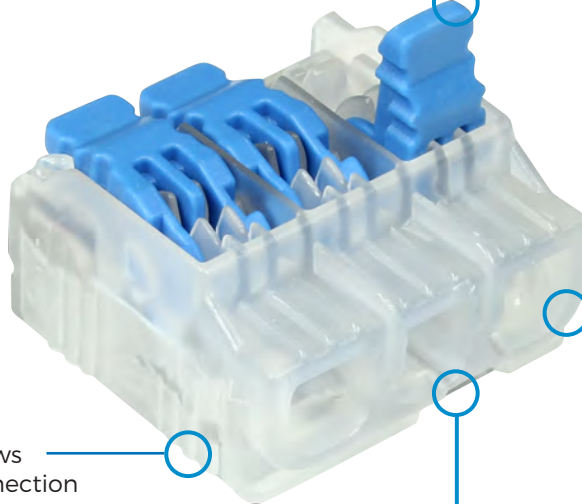
Solid and large stranded conductors can be inserted without opening lever

Lever closes opposite of wire entry




Clear housing allows verification of connection

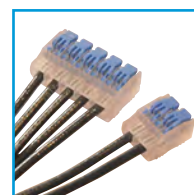
Bottom of connector features strip length guide

Integrated test ports on front and rear of connection



Ordering Information

Model	Quantity	Cat. No.
 L22 2-Port 20A	Box of 150	30-10L22
	Jar of 500	30-50L22J
	Box of 4,00	30-16L22
 L23 3-Port 20A	Box of 100	30-10L23
	Jar of 350	30-35L23J
	Box of 2,500	30-16L23
 L25 5-Port 20A	Box of 75	30-10L25
	Jar of 200	30-20L25J
	Box of 1,500	30-16L25



Lever Wire Connectors

600 Volts Max.*
105°C (221°F)

Solid	#24 - #12
Stranded	#24 - #12

Cu/Cu
Only



*1,000 Volts maximum signs and fixtures.



IN-SURE® PUSH-IN WIRE CONNECTORS

STRIP. PUSH. CONNECT.

**ACCEPTS
#10 AWG**

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.



Made in U.S.A.

Clear shell allows visual inspection of the connection

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

No-twist push-in design reduces repetitive motion fatigue



FAST FACT

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

Ordering Information

Model	Quantity	Cat. No.
32 Red 2-Port; 20A	Box of 100	30-1032
	Jar of 300	30-1032J
	Box of 5,000	30-1632
33 Orange 3-Port; 20A	Box of 100	30-1033
	Jar of 250	30-1033J
	Box of 5,000	30-1633
34 Yellow 4-Port; 20A	Box of 100	30-1034
	Jar of 200	30-1034J
	Box of 5,000	30-1634
87 Clear 5-Port; 20A	Jar of 200	30-087JR
	Carton of 1,000	30-187
	Box of 3,000	30-687
88 Blue 6-Port Stacked; 20A	Jar of 100	30-088J
	Carton of 1,000	30-188
	Box of 2,500	30-688
90 Black 8-Port; 20A	Jar of 100	30-090J
	Carton of 1,000	30-190
	Box of 2,000	30-690
39 Blue 3-Port; 30A	Box of 50	30-1039
	Jar of 150	30-1039J

In-Sure® Models 32, 33, 34:

600 Volts Max.*
105°C (221°F)

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

*1,000 Volts maximum signs and fixtures.

In-Sure® Model 39:

600 Volts Max.*
105°C (221°F)

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

*1,000 Volts maximum signs and fixtures.

In-Sure® Models 87, 88, 90:

600 Volts Max.*
105°C (221°F)

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

*1,000 Volts maximum signs and fixtures.



For COPPER TO COPPER ONLY. Do not use on aluminum.

1.888.610.7664

www.calcert.com

sales@calcert.com

SPLICELINE®

IN-LINE WIRE CONNECTORS

A FASTER ALTERNATIVE TO THE BUTT SPLICE

The SpliceLine® 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.



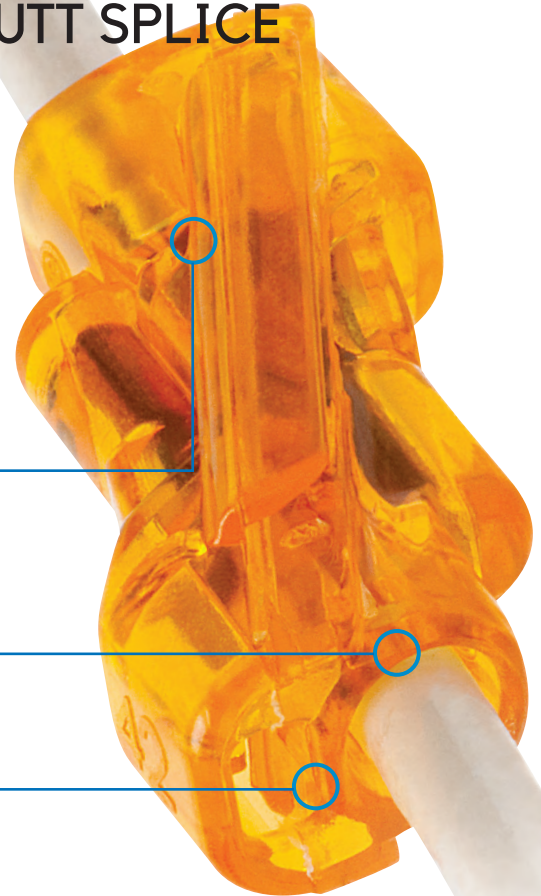
FAST FACT

Perfect for lengthening short wires, the SpliceLine® is **75% faster than butt-splices**.

Transparent polycarbonate shell allows for visual inspection of connection


Slim design fits through 1/2" knockout

Check port for continuity testing



SpliceLine®
IN-LINE WIRE CONNECTORS

Ordering Information

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

SpliceLine® 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.



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

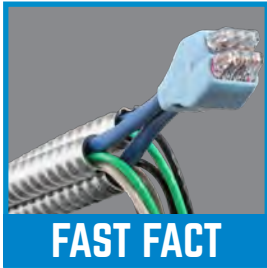


IN-SURE® MC-PCS WIRE CONNECTORS

STRIP. PUSH. CLOSE

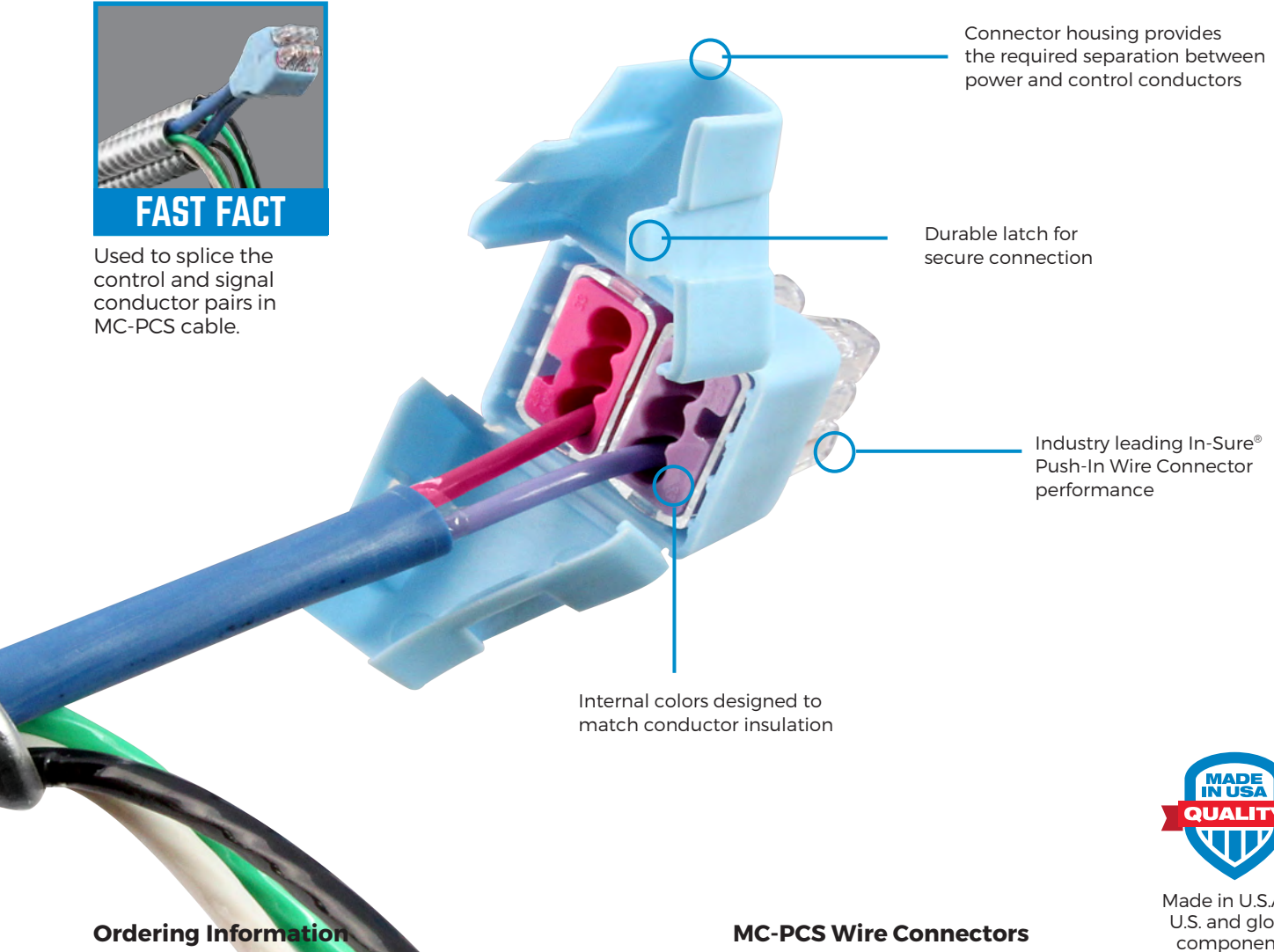
NEW

In-Sure® MC-PCS Wire Connectors are used to splice the control and signal conductor pairs in MC-PCS cable. The outer sheath provides the required separation between power and control conductors inside of the electrical box or enclosure per 2020 NEC article 175.136.




FAST FACT

Used to splice the control and signal conductor pairs in MC-PCS cable.



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

Ordering Information

Model	Quantity	Cat. No.
 56; 20A	Jar of 100	30-1056J

MC-PCS Wire Connectors

600 Volts Max.*
105°C (221°F)

Solid	#12 - #18
Stranded	#12 - #16 (≤ 19 strand) #18 (7 strand)

*1,000V maximum in signs and fixtures. COPPER-TO-COPPER ONLY. Do not use on aluminum.

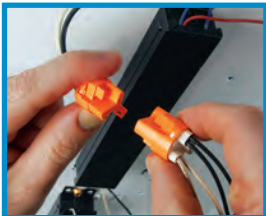


POWERPLUG[®]

LUMINAIRE DISCONNECTS

FAST & EFFICIENT BALLAST INSTALLATION

The IDEAL[®] PowerPlug[®] Luminaire Disconnect is perfect for new lighting installations, retrofit and OEM applications. It's the first push-in luminaire disconnect that fully meets the current National Electrical Code and Canadian Electric Code for non-residential fluorescent luminaires.



FAST FACT





The PowerPlug[®] allows safe disconnect of hot and neutral ballast wiring.

Patented IDEAL[®] push-in technology quickly locks wires in place

Both halves are "touch-safe" per UL 2459

Fits through 1/2" knockout

Ordering Information

Model	Quantity	Cat. No.
 102 [®] Orange 2-Wire 6A/600V Max.	Card of 25	30-372
	Jar of 75	30-382J
	Jar of 150	30-352J
	Box of 1,000	30-102
 103 Orange 3-Wire 6A/600V Max.	Card of 20	30-383X
	Jar of 100	30-353XJ
	Box of 1,000	30-103X
 182 [®] Orange 2-Wire 3A/600V Max.	Box of 100	30-082
	Box of 1,000	30-682L
	Carton of 2,500	30-682M
	Carton of 2,500	30-682F
 183 Orange 3-Wire 3A/600V Max.	Box of 100	30-083
	Box of 2,500	30-683

PowerPlug[®] 102: 6 Amps/600 Volts Max.

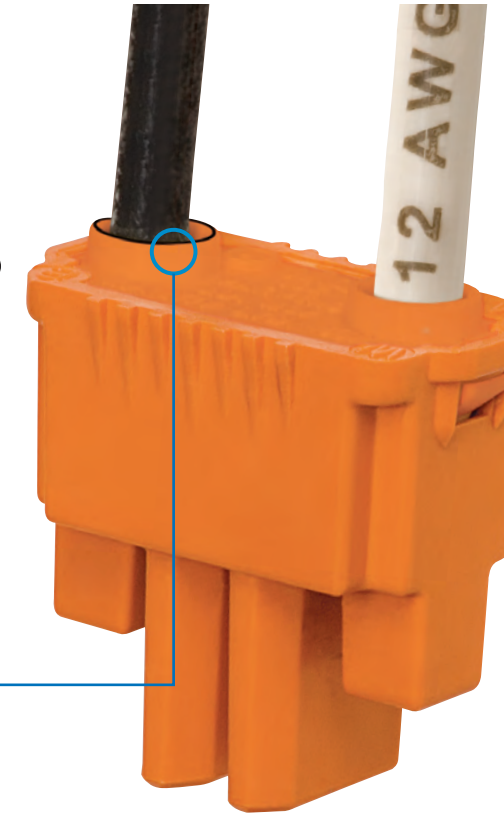
Wire Range	Line Side/Ballast Side
Solid	#12 - #18
Stranded	#12 - #14 (≤19 strand)
Stranded Tin-Bonded	#12 - #14 (≤19 strand) #16 (≤26 strand) #18 (≤16 strand)

PowerPlug[®] 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) #16 (≤26 strand) #18 (≤16 strand)	#18 (≤16 strand)

PowerPlug[®] 182/183: 3 Amps/600 Volts Max.

Wire Range	Line Side/Ballast Side
Solid	#18



powerplug[®]

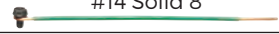







Luminaire Disconnect

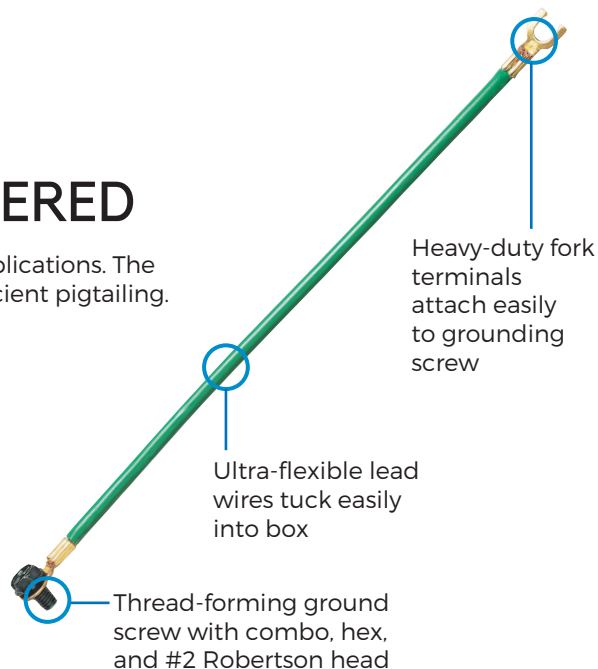
GROUNDING PRODUCTS

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 pigtail.

Ordering Information















Model	Quantity	Cat. No.
 #14 Solid 8"	Bulk Pack of 1,000	30-3390
 #12 Solid 8"	Bag of 50	30-3392
	Plastic Box of 100	30-3399
	Bulk Pack of 1,000	30-3496
 #14 Stranded 8"	Bag of 25	30-3183
 #12 Stranded 8"	Bag of 25	30-3184
	Plastic Box of 50	30-3385
	Box of 1,000	30-3284
	Box of 500	30-3286
	Bag of 25	30-3287
	Bag of 25	30-3288
	Bag of 25	30-3289



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

Greenie®, Green-B® & WGR Grounding Connectors

IDEAL® Grounding Wire Connectors are designed for making ground connections and bonding non-metallic sheathed cable; and are UL Listed and CSA Certified; fully meets the intent of NEC sections 250.146 and 250.148

Model	Quantity	Cat. No.
 92° Greenie® Min. 2 #14 - Max. 4 #12   	Box of 100	30-092
	Jar of 150	30-092J
	Bag of 500	30-292
 BGR Green-B® Min. 2 #14 - Max. 5 #12     LR9706	Box of 50	BGR-1
	Carton of 250	BGR-B
 WGR Green Min. 2 #14 - Max. 5 #12   	Box of 50	WGR-1
	Carton of 250	WGR-B
 Ground Screw	Bag of 50	30-3194
	Jar of 100	30-3594



Ensures compliance with NEC standards

WIRE RANGE CHART

Model	Wire Combinations																				
	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				
Twister® Pro																					
343 Orange/Blue	Min. 2 #22										Max. 4 #12 Sol.										
344® Red/Tan	WIDEST RANGE IN THE INDUSTRY				Min. 2 #18										Max. 4 #10						
347 Red/Yellow					Min. 2 #18										Max. 4 #10						
Twister®																					
341® Tan	Min. 3 #22													Max. 3 #10							
342® Gray									Min. 3 #14				Max. 2 #8 w/2 #12								
Wire-Nut®																					
71B® Gray (300V)	Min. 2 #22 Str.				Max. 2 #16																
72B® Blue (300V)	Min. 2 #22						Max. 3 #16														
73B® Orange		Min. 1 #18 w/1 #20						Max. 2 #14													
74B® Yellow					Min. 2 #18			Max. 4 #14 w/1 #18													
76B® Red								Min. 2 #14				Max. 4 #12									
Wing-Nut®																					
451® Yellow					Min. 2 #18						Max. 3 #12										
452® Red	WIDEST RANGE IN THE INDUSTRY				Min. 2 #18										Max. 4 #10						
454® Blue														Min. 3 #12		Max. 1 #6 w/ 2 #8					
B-CAP®																					
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.							
B-Twist™																					
BT2™ Red					Min. 2 #18												Max. 2 #8				
WingTwist®																					
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						
WireTwist®																					
WT1 Gray (300V)		Min. 3 #22			Max. 2 #16																
WT2 Blue (300V)				Min. 3 #20		Max. 3 #16															
WT3 Orange					Min. 2 #18		Max. 2 #14														
WT4 Yellow				Min. 3 #20						Max. 2 #12											
WT6 Red								Min. 2 #14				Max. 4 #12									
WeatherProof																					
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								
UnderGround																					
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						

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#IDEALnationals



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