

# 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**™



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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.

For additional details on the entire line  
of IDEAL Wire Connectors or other products,

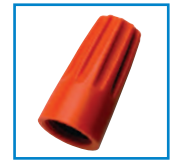


# TWIST-ON WIRE CONNECTORS

## 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	<b>30-1047</b>
	Bag of 250	<b>30-347</b>
	Jar of 400	<b>30-1347JR</b>
	Barrel of 15,000	<b>30-747</b>

#### Twister® ProfLEX™ Wire Connector



Wire Combinations:

2 #18

4 #14

5 #12

4 #10

1,000 Volts Max.  
105°C (221°F)

\*1,000 Volts signs and fixtures.



Wire Connector  
774A

Cu/Cu  
Only



# TWISTER® PROFLEX™ MINI

## WIRE CONNECTORS

### FLEXIBLE SKIRT FOR ADDED PROTECTION

The Twister® ProfFLEX™ 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.



Tough, UL 94V-2 flame retardant shell

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

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

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




#### FAST FACT

Space-saving design to fit into tight spaces

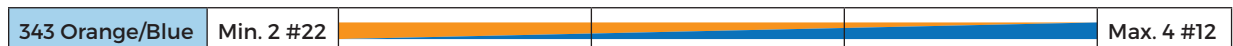
**RATED**  
4 #12  
SOLID

#### Ordering Information

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

#### Twister® ProfFLEX™ Mini Wire Connector

600 Volts Max.\*  
105°C (221°F)



Wire Combinations:

2 #22

2 #18

2 #12

4 #12

\*1,000 Volts signs and fixtures.



# TWISTER® PRO

## WIRE CONNECTORS

### CUSHION-GRIP SWEPT 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.

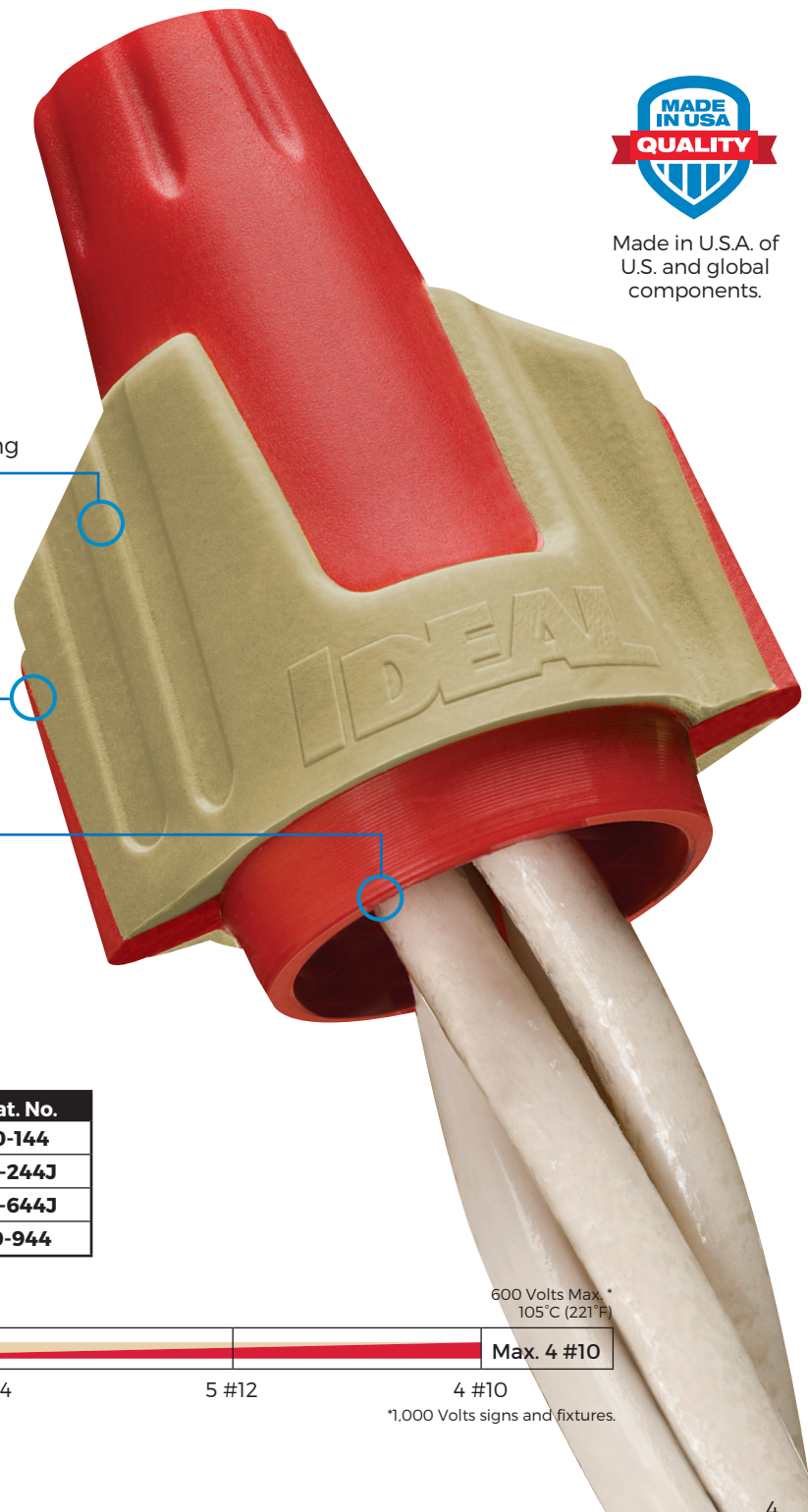
SureGrip™ overmolding provides improved leverage and torque

Better grip and more leverage for fast connections


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



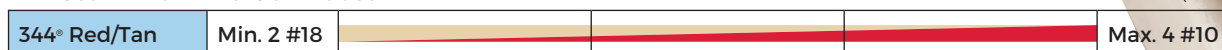
Made in U.S.A. of U.S. and global components.



#### Ordering Information

Model	Quantity	Cat. No.
 344® Red/Tan Min. 2 #18 - Max. 4 #10	Box of 50	<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>

#### Twister® Pro Wire Connector



Wire Combinations:

2 #18

4 #14

5 #12

4 #10



600 Volts Max. \*  
105°C (221°F)

\*1,000 Volts signs and fixtures.

# TWISTER®

## WIRE CONNECTORS

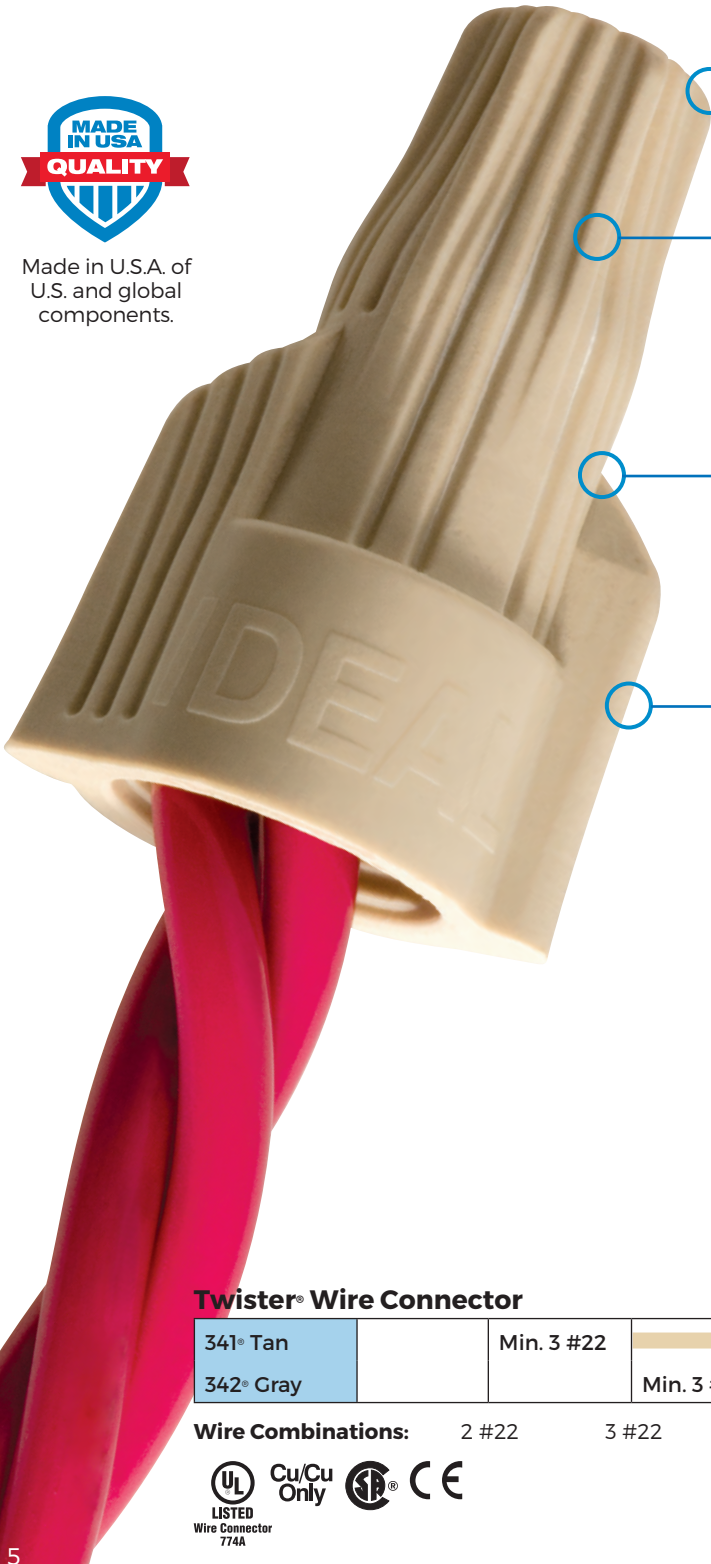
### COMFORTABLE SWEEP WING

**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.

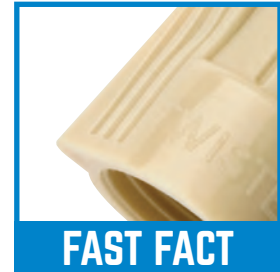


Hex-top allows for 5/16" nut driver application

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	<b>30-341</b>
	Jar of 750	<b>30-341J</b>
	Bag of 500	<b>30-641</b>
	Jar of 500	<b>30-641J</b>
	Carton of 1,000	<b>30-541</b>
	Barrel of 25,000	<b>30-841</b>
 342® Gray Min. 3 #14 - Max. 2 #8 w/2 #12	Box of 50	<b>30-342</b>
	Bag of 250	<b>30-642</b>
	Barrel of 15,000	<b>30-842</b>

#### 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	<b>30-451</b>
	Jar of 225	<b>30-451J</b>
	Bag of 500	<b>30-651</b>
	Jar of 500	<b>30-651J</b>
	Carton of 1,000	<b>30-551</b>
	Barrel of 35,000	<b>30-851</b>
 452® Red Min. 2 #18 - Max. 4 #10	Box of 100	<b>30-452</b>
	Jar of 300	<b>30-452J</b>
	Bag of 500	<b>30-652</b>
	Jar of 500	<b>30-652J</b>
	Carton of 1,000	<b>30-552</b>
	Barrel of 25,000	<b>30-852</b>
 454® Blue Min. 3 #12 - Max. 1 #6 w/2 #8	Box of 25	<b>30-454</b>
	Carton of 250	<b>30-554</b>
	Bag of 100	<b>30-654</b>

#### 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.

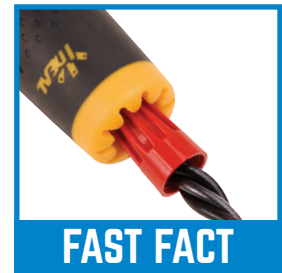


# WIRE-NUT®

## WIRE CONNECTORS

### THE AMERICAN CLASSIC SINCE 1928

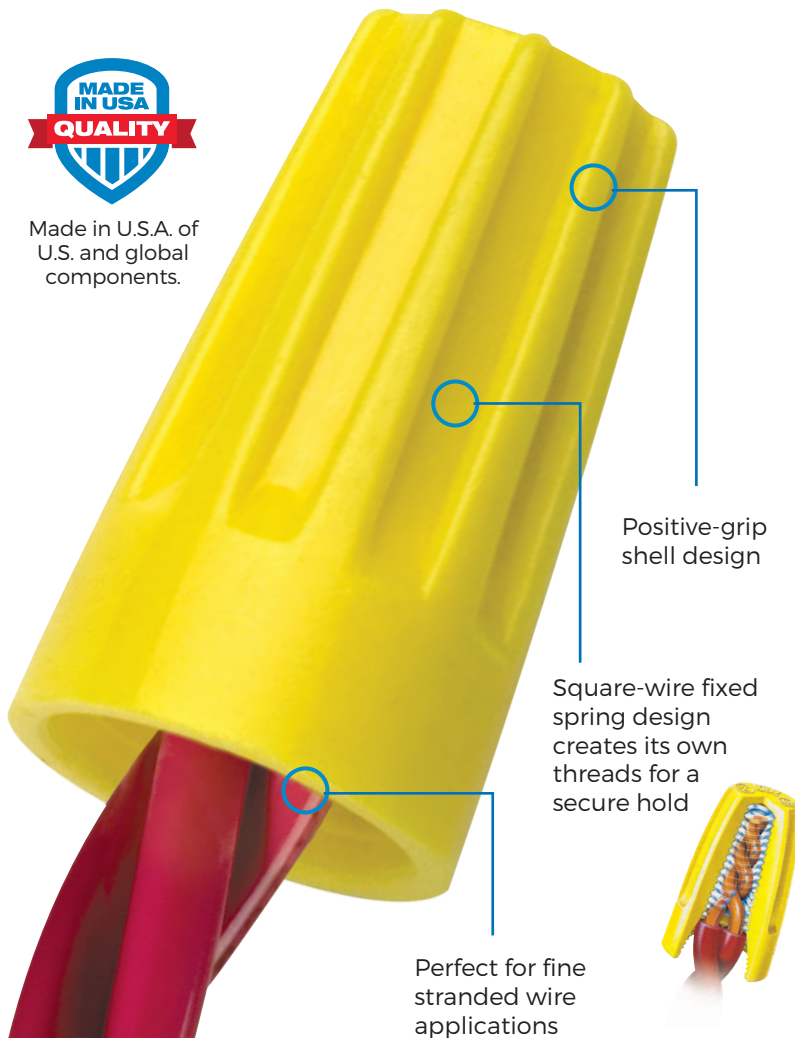
The original connector, for a full range of wires and jobs. With five color-coded models covering a range of wires from #22 to #6 AWG, the Wire-Nut® Wire Connector is the all-around twist-on you can count on.



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



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



Perfect for fine stranded wire applications

#### Ordering Information

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

#### Wire-Nut® Wire Connector

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

105°C (221°F)

**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.



# 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.



#### FAST FACT

The B-CAP<sup>®</sup> 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	<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>
	Barrel of 25,000	<b>B1-SK</b>
 B2 Red Min. 2 #18 - Max. 5 #12	Box of 100	<b>B2-1</b>
	Jar of 350	<b>B2-350JR</b>
	Jar of 500	<b>B2-500JR</b>
	Bag of 500	<b>B2-B</b>
	Barrel of 25,000	<b>B2-SK</b>
 B4 Blue-Gray Min. 2 #12 - Max. 2 #6 Str.	Box of 25	<b>B4-1</b>
	Carton of 250	<b>B4-B</b>

#### 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.



# B-TWIST™

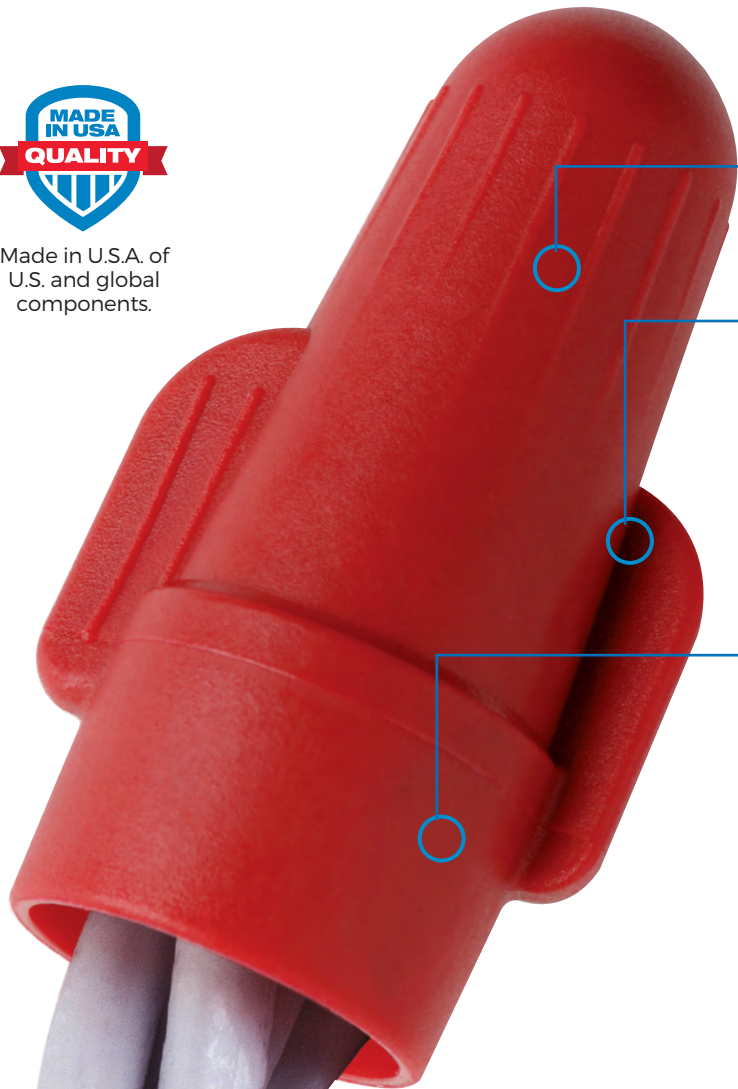
## WIRE CONNECTORS

### 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.



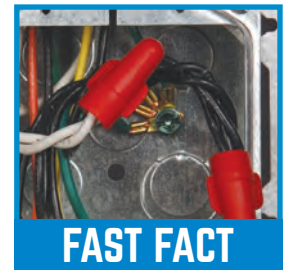
Made in U.S.A. of U.S. and global components.



Vertical ribs improve grip

Long swept-wings improve comfort and torque

Deep skirt helps protect over-stripped wires




#### FAST FACT

The B-TWIST™ handles the entire range of red and yellow connector.

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

#### Ordering Information

Model	Quantity	Cat. No.
 BT2™ Red Min. 2 #18 - Max. 2 #8	Box of 100	<b>BT2-1</b>
	Jar of 500	<b>BT2-500JR</b>
	Barrel of 25,000	<b>BT2-SK</b>

#### 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.



# 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	<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 Min. 2 #20 - Max. 3 #10	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 Min. 2 #14 - Max. 5 #12	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 Min. 3 #12 - Max. 2 #6	Box of 50	<b>WT54-1</b>
	Bag of 100	<b>WT54-B</b>

#### WingTwist® Wire Connector

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

Developed for projects on tight budgets.

**FAST FACT**

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



Positive grip shell design for fast, easy installation

Multiple sizes accommodate a broad range of electrical applications

#### Ordering Information

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

#### 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.

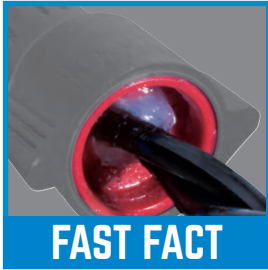
Made in Canada.



# 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.



## FAST FACT

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

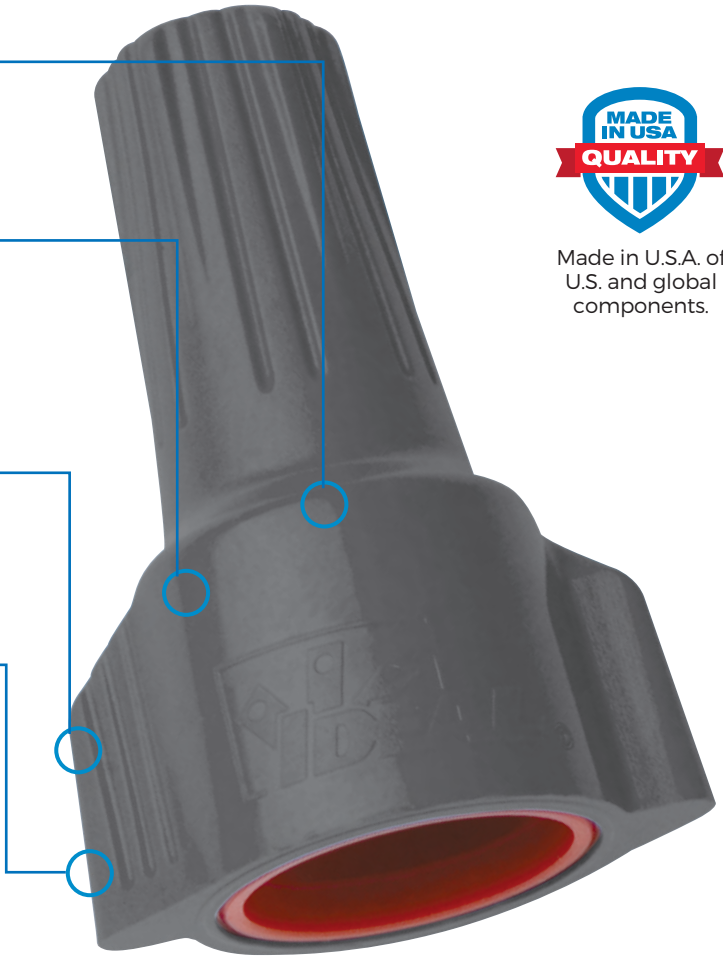
Swept wing design is designed for comfort and efficiency

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	<b>30-1161</b>
	Jar of 150	<b>30-1261J</b>
	Carton of 1,000	<b>30-1361</b>
 62° Gray/Red Min. 3 #18 - Max. 2 #10 w/ 1 #14	Card of 20	<b>30-1162</b>
	Jar of 100	<b>30-1262J</b>
	Carton of 1,000	<b>30-1362</b>
 63° Gray/Dr. Blue Min. 3 #14 Max. 5 #10	Card of 15	<b>30-1163</b>
	Jar of 50	<b>30-1263J</b>
	Carton of 1,000	<b>30-1363</b>

## 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.



LISTED  
Sealed Twist-On  
Wire Connector 5N35

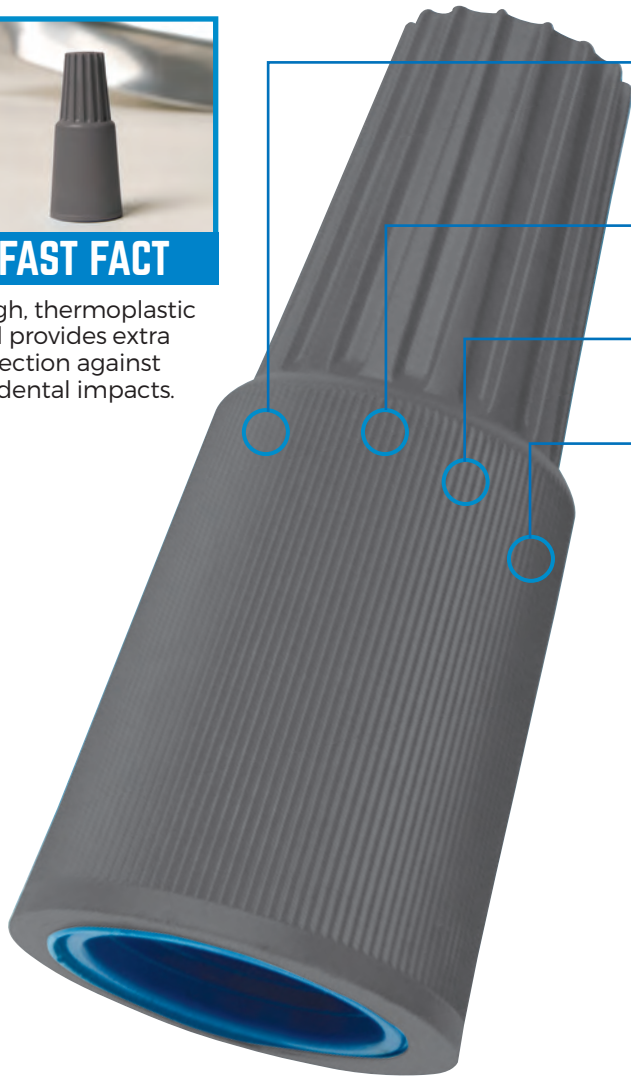
# UNDERGROUND WIRE CONNECTORS BELOW GRADE (GROUND) USE

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	<b>30-1160</b>
	Box of 100	<b>30-1260</b>
 64° Gray/Dr. Blue Min. 2 #18 Sol. - Max. 3 #10	Box of 50	<b>30-1264</b>
 66™ Gray/Dr. Blue Min. 3 #12 - Max. 2 #6 w/1 #10	Box of 50	<b>30-1066</b>

## UnderGround 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:

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.

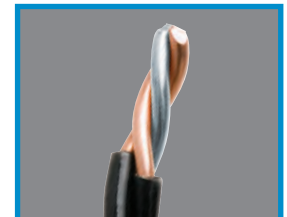


Made in U.S.A. of U.S. and global components.

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	<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>

#### 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

**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.**

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



# PUSH-IN WIRE CONNECTORS

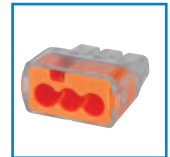
## **Lever Wire Connectors - Insert. Close. Connect.**

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.

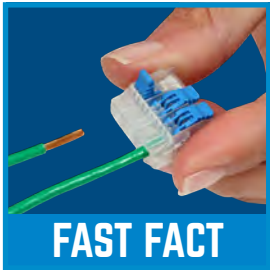


# IN-SURE<sup>®</sup> LEVER WIRE CONNECTORS

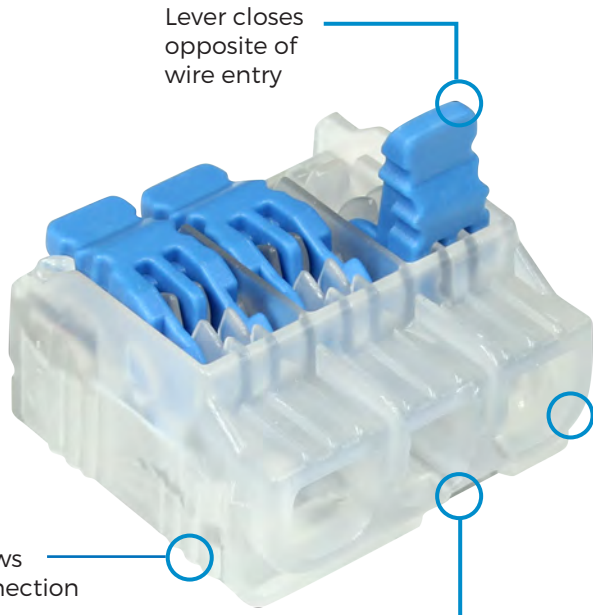
## INSERT. CLOSE. CONNECT.

**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

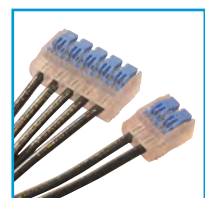
Bottom of connector features strip length guide

Clear housing allows verification of connection

Integrated test ports on front and rear of connection

### Ordering Information

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



### 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	<b>30-1032</b>
	Jar of 300	<b>30-1032J</b>
	Box of 5,000	<b>30-1632</b>
33 Orange 3-Port; 20A	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; 20A	Box of 100	<b>30-1034</b>
	Jar of 200	<b>30-1034J</b>
	Box of 5,000	<b>30-1634</b>
87 Clear 5-Port; 20A	Jar of 200	<b>30-087JR</b>
	Carton of 1,000	<b>30-187</b>
	Box of 3,000	<b>30-687</b>
88 Blue 6-Port Stacked; 20A	Jar of 100	<b>30-088J</b>
	Carton of 1,000	<b>30-188</b>
	Box of 2,500	<b>30-688</b>
90 Black 8-Port; 20A	Jar of 100	<b>30-090J</b>
	Carton of 1,000	<b>30-190</b>
	Box of 2,000	<b>30-690</b>
39 Blue 3-Port; 30A	Box of 50	<b>30-1039</b>
	Jar of 150	<b>30-1039J</b>

#### 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.



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

Find Quality Products Online at:

Valuetesters.com

info@valuetesters.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.



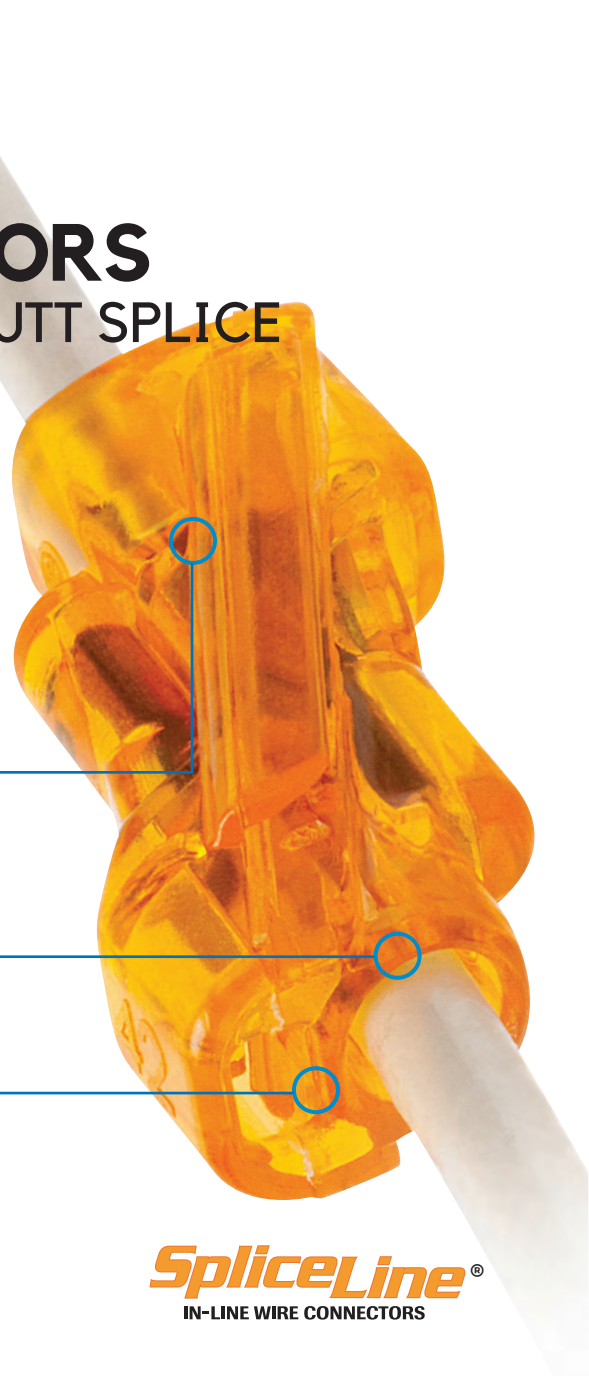
#### FAST FACT

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	<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>



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

**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.

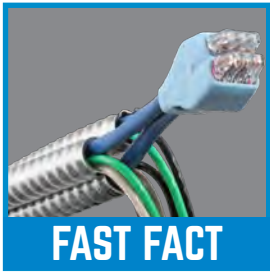


# IN-SURE® MC-PCS WIRE CONNECTORS

## STRIP. PUSH. CLOSE

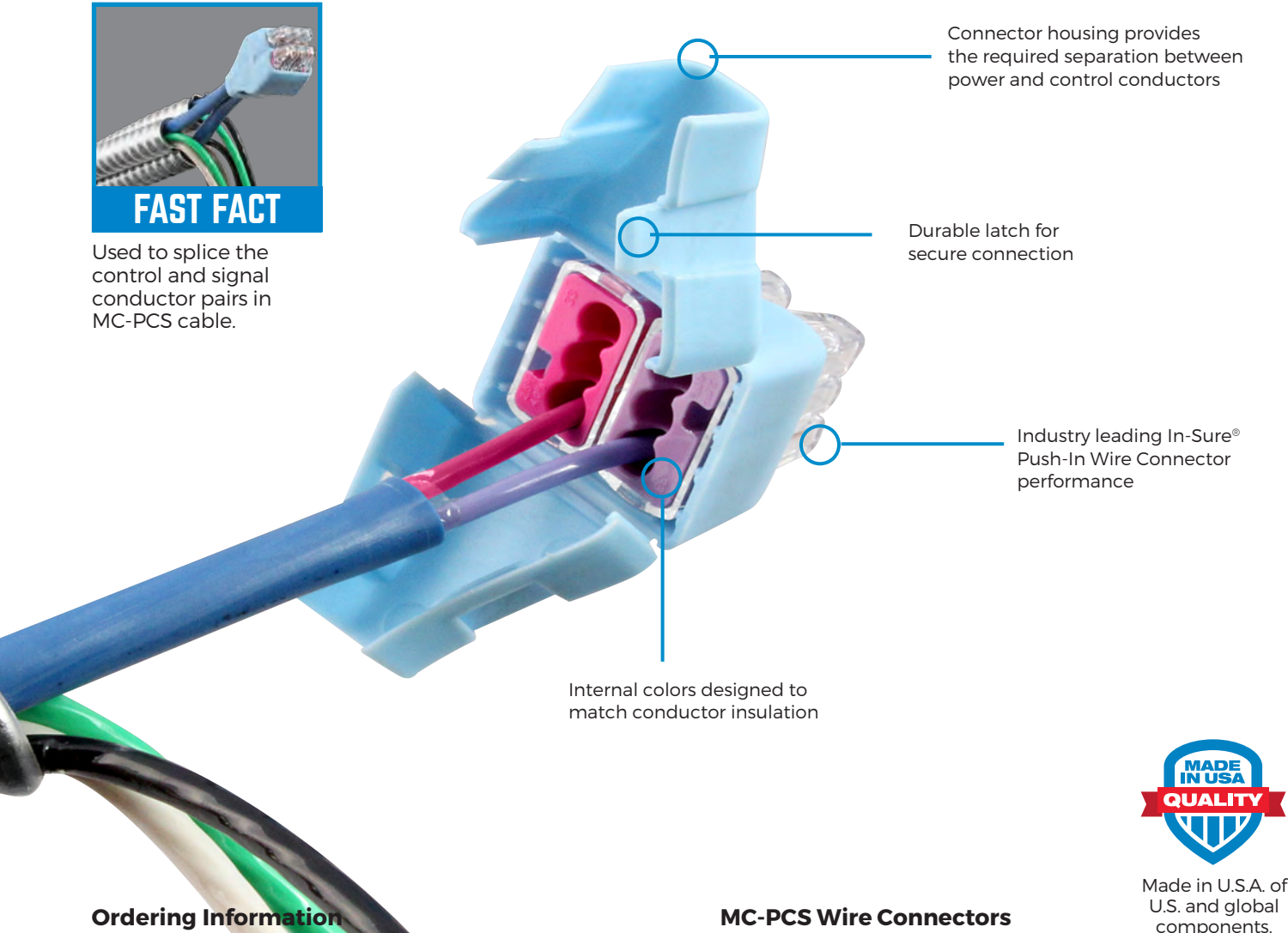
**NEW**

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.



Connector housing provides the required separation between power and control conductors

Durable latch for secure connection


Industry leading In-Sure® Push-In Wire Connector performance

Internal colors designed to match conductor insulation



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

**Ordering Information**

Model	Quantity	Cat. No.
 56:20A	Jar of 100	<b>30-1056J</b>

**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.

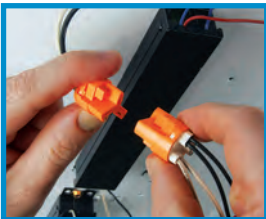


# POWERPLUG®

## 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.

#### Ordering Information

Model	Quantity	Cat. No.
 102® Orange 2-Wire 6A/600V Max.	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 Orange 3-Wire 6A/600V Max.	Card of 20	<b>30-383X</b>
	Jar of 100	<b>30-353XJ</b>
	Box of 1,000	<b>30-103X</b>
 182® Orange 2-Wire 3A/600V Max.	Box of 100	<b>30-082</b>
	Box of 1,000	<b>30-682L</b>
	Carton of 2,500	<b>30-682M</b>
 183 Orange 3-Wire 3A/600V Max.	Carton of 2,500	<b>30-682F</b>
	Box of 100	<b>30-083</b>
	Box of 2,500	<b>30-683</b>

**PowerPlug® 102:** 6 Amps/600 Volts Max.

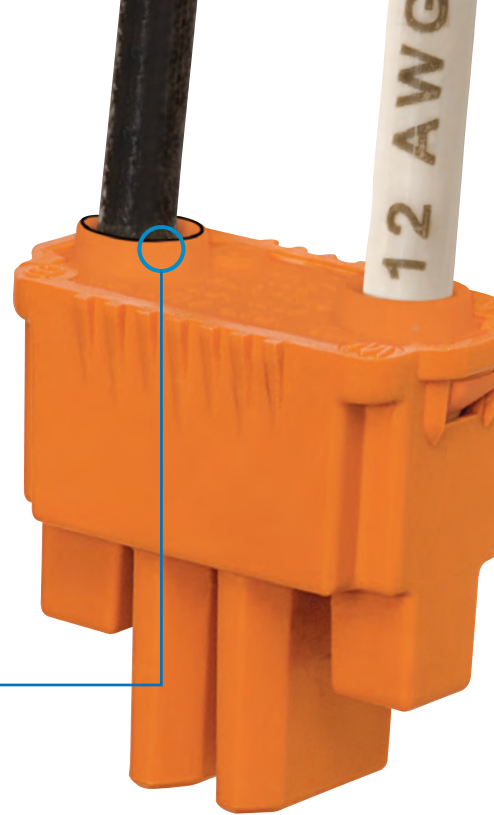
Wire Range	Line Side/Ballast Side
Solid	#12 - #18
Stranded	#12 - #14 (≤19 strand)
Stranded Tin-Bonded	#12 - #14 (≤19 strand) #16 (≤26 strand) #18 (≤16 strand)

**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



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

Both halves are "touch-safe" per UL 2459

Fits through 1/2" knockout



**powerplug®**









Luminaire Disconnect

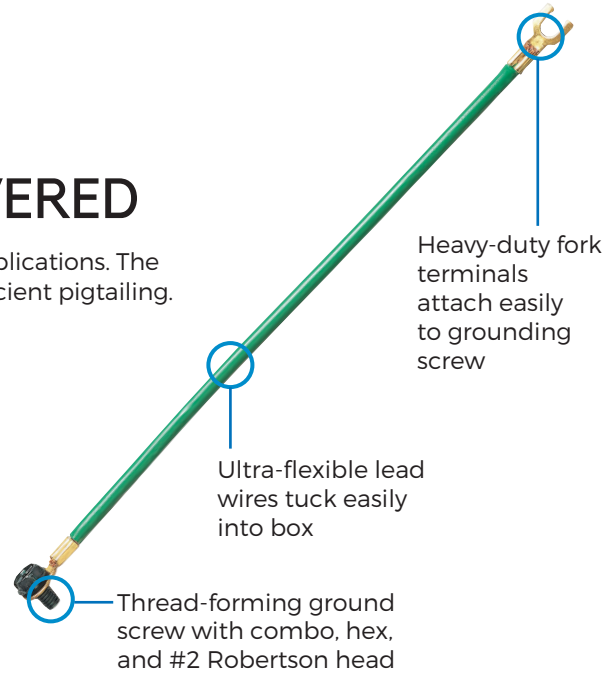
# GROUNDING PRODUCTS

## 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 pigtailing.

### Ordering Information















Model	Quantity	Cat. No.
 #14 Solid 8"	Bulk Pack of 1,000	<b>30-3390</b>
 #12 Solid 8"	Bag of 50	<b>30-3392</b>
	Plastic Box of 100	<b>30-3399</b>
	Bulk Pack of 1,000	<b>30-3496</b>
 #14 Stranded 8"	Bag of 25	<b>30-3183</b>
 #12 Stranded 8"	Bag of 25	<b>30-3184</b>
	Plastic 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>



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	<b>30-092</b>
	Jar of 150	<b>30-092J</b>
	Bag of 500	<b>30-292</b>
 BGR Green-B® Min. 2 #14 - Max. 5 #12     LR9706	Box of 50	<b>BGR-1</b>
	Carton of 250	<b>BGR-B</b>
 WGR Green Min. 2 #14 - Max. 5 #12   	Box of 50	<b>WGR-1</b>
	Carton of 250	<b>WGR-B</b>
 Ground Screw	Bag of 50	<b>30-3194</b>
	Jar of 100	<b>30-3594</b>



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		
<b>Twister® Pro</b>																			
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				
<b>Twister®</b>																			
341° Tan	Min. 3 #22										Max. 3 #10								
342° Gray									Min. 3 #14				Max. 2 #8 w/2 #12						
<b>Wire-Nut®</b>																			
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						
<b>Wing-Nut®</b>																			
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>B-CAP®</b>																			
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>B-Twist™</b>																			
BT2™ Red					Min. 2 #18										Max. 2 #8				
<b>WingTwist®</b>																			
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				
<b>WireTwist®</b>																			
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						
<b>WeatherProof</b>																			
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				
<b>UnderGround</b>																			
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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