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DATA PRODUCTS

EUROPE, MIDDLE EAST & AFRICA CATALOGUE



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# BEING A SPARKY IS ALL ABOUT THE NUMBERS

To do work that's safe, reliable and compliant, you need a bit of a head for figures. Here are a couple for you: the new Generation 2 Lever Wire Connector handles both 32 AMP and 4mm. You can do more, more quickly, in even the most awkward of spaces. It all adds up.

[idealindustriesemea.com](http://idealindustriesemea.com)

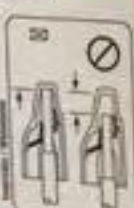


# WIRING CONNECTORS





\* 3-Port / 3 ports / 3-Lötter /  
3-ports / 3-ports



**IDEAL**

3-Port / 3 ports / 3-Lötter /  
3-ports / 3-ports

**IN-SURE**

WIRE WIRE CONNECTORS

WIRE WIRE CONNECTORS

WIRE WIRE CONNECTORS

WIRE WIRE CONNECTORS

WIRE WIRE CONNECTORS



WIRE WIRE CONNECTORS

WIRE WIRE CONNECTORS

# WIRE TERMINATION

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# OUT WITH THE OLD!

The old adage 'if it ain't broke, don't fix it' is a mantra many electrical contractors live by, continuing to use the tried and tested products and installation methods they've used for years because they do the job.

There's a lot to be said for familiarity; but there are also benefits to embracing new techniques that offer a faster, easier, safer and more consistent installation.

'IDEAL wire connectors – for a fast, easy and safe installation'.



Electrical cable terminations are traditionally done using a terminal strip. They're not difficult to use, but even the simplest of traditional techniques can be improved upon and, in this case, the use of lever or push-in connectors can save time, make the job easier, and help electricians achieve a more consistent and compliant installation.



# The Key Benefits

Listed below are the many benefits of switching from traditional terminal strip connections to push-in and lever wire connections. These innovative connections from IDEAL are perfect for electricians who are still keen to develop their skills.

## > FASTER INSTALLATIONS

The old adage 'if it ain't broke, don't fix it' is a mantra often quoted by those content to remain permanently within their comfort zone. The problem is, without trying new tools and techniques, we don't find out whether the job can be done faster, better and with a greater level of consistency.

## > IMPROVED QUALITY

Often, keeping to the same routines can mean missing an opportunity to save time and improve quality, both of which can deliver commercial advantages for electrical installers.

## > REDUCED CALL BACKS

Even small time savings on a single task can add up to a significant time and cost saving over the length of a full installation. What's more, consistent quality not only reduces the risk of snagging and call backs;

## > AVOID ARCING + LOOSE SCREWS

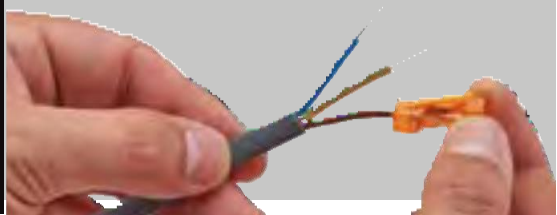
When using traditional terminal strips the screws can loosen over time, causing arcing in the connector.

This presents a potential fire risk and is just one of the reasons why push-in and lever connectors are being more widely used instead of terminal blocks in numerous applications.

## > COMPLIANT INSTALLATIONS

The 18<sup>th</sup> Edition requires that traditional terminal strip connections should be accessible for annual inspections in compliance with BS EN 60670-22 which makes it difficult to select a suitable location for terminal strip connections, leading to non-compliance for many projects.

Lever and push-in connectors are classified as 'maintenance-free' when used in conjunction with an approved enclosure box, so can be part of a compliant installation anywhere within the property.





# OUT WITH THE OLD! CONTINUED

## > CHOOSING THE RIGHT ENCLOSURE

A traditional junction box with screw terminals has always needed to be installed in an accessible location as over time terminals will need to be checked. If an appropriate location could not be found, access panels were needed. Choosing an enclosure which has been tested to and complies with BS 5733 maintenance free accessory standard like the IDEAL In-Sure® Box makes it possible to save money on materials and keep the enclosure installation process as quick and simple as possible.

## > REDUCED LABOUR COSTS

A barrier to change when it comes to switching from terminal strips to lever or push-in connectors is perceptions of cost. While the unit price of connectors may be slightly more than terminal strips, the time savings they offer easily offset the minimal additional costs. Connectors not only help to keep the job within programme, but also reduces labour costs over the length of the project.

## > PEACE OF MIND

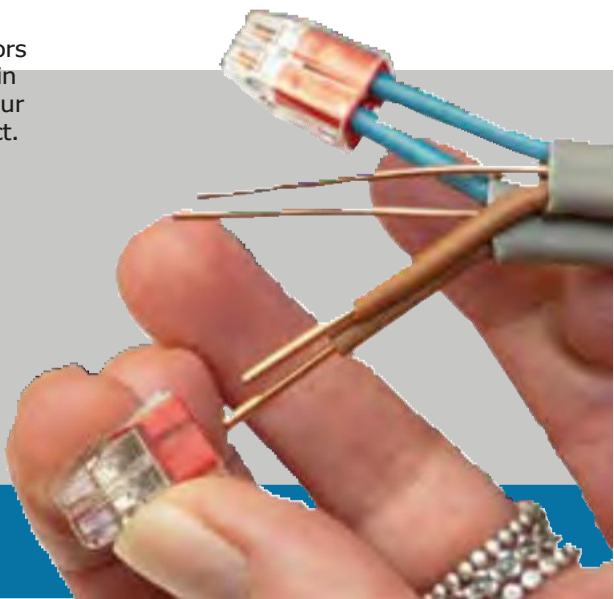
What's more, making the switch provides peace of mind because use of connectors removes any inconsistency associated with the tightening of terminal strip screws, thereby building value into the cost of the connectors by reducing the need for quality assurance checks or call backs.

## > REMOVED MARGIN FOR ERROR

This standardised approach to making the connections ensures lever and push-in connectors deliver a fit-and-forget solution, as well as driving speed of installation. While speed and consistency of terminal strip installations grows with experience, connectors remove any margin for error, even for inexperienced installers who are still training.

## > CONSISTENT CONNECTIONS

Using connectors rather than terminal strips ensures every connection is consistent because there is no variation in the tightening of the fixing screw that fastens the cable in place. Ideal Industries' wire connectors even include a stripping guide on the side to aid consistently accurate stripping of the cable prior to connection, along with a continuity check port for testing.





# Quick Reliable Connections

IDEAL Industries' range of wire connectors provides electrical installers with a time-saving, modern and safe alternative to traditional screw-down terminal strips.

## > LEVER WIRE CONNECTORS

- Perfect solution for joining solid, stranded or flexible conductors
- Modern alternative to traditional strip connectors
- Safe, reliable and re-useable – no need to lift the lever
- Compact design that takes up less room in junction boxes and enclosures
- No screwdriver required
- 0.2 mm<sup>2</sup> to 4.0 mm<sup>2</sup> (solid and rigid stranded) and 0.14 mm<sup>2</sup> to 4.0 mm<sup>2</sup> (flexible)
- 32A/450V

## > SPLICELINE WIRE CONNECTORS

- Excellent for extending and connecting wires
- 3x faster to install than traditional crimped butt splices
- Provides a crimp free, solderless butt splice
- Toolfree, push-in straight line connector
- 0.5 mm<sup>2</sup> to 4.0 mm<sup>2</sup> for solid and 1.0 mm<sup>2</sup> to 2.5 mm<sup>2</sup> for stranded
- 32A/450V

## > PUSH-IN WIRE CONNECTORS

- Reduce installation time by up to 50%
- Easy glide-in wire connection
- Perfect replacement for crimped splices
- Low insertion force for fast connections
- 0.75 mm<sup>2</sup> to 4.0 mm<sup>2</sup> for solid and 1.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup> stranded
- 32A/450V

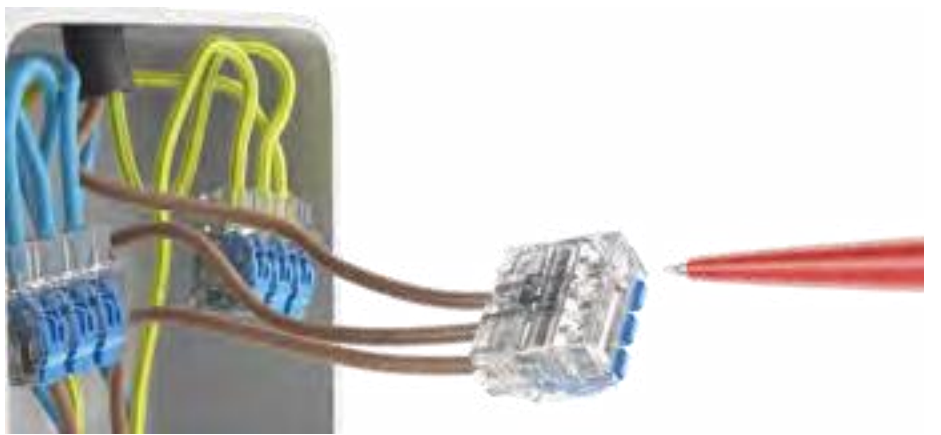
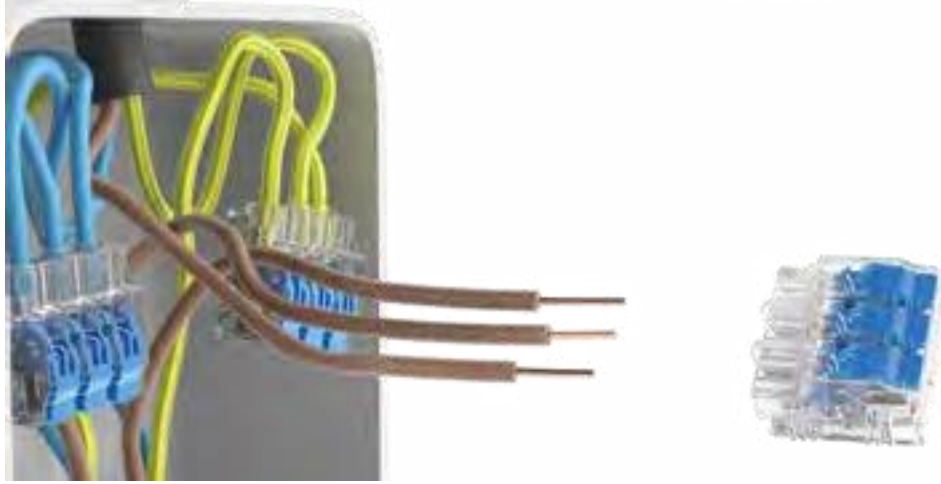


## > ADDITIONALLY, ALL 3 TYPES COME WITH:

- Check port for continuity testing
- Clear shell allowing for visual inspection of connection

Robust and well-designed at an attractive price point, IDEAL wire connectors offer a user-friendly, cost-effective and quality-led alternative to terminal strips.

They are BS 7671:2018 (18<sup>th</sup> Edition), IEC 60998-1 and IEC 60998-2-2 compliant plus CE, UKCA, UL and ENEC approved.



# GEN II LEVER WIRE CONNECTORS

The IDEAL Lever connectors utilise the latest connection technologies and can accommodate multiple wires of different types of sizes.

It offers a fast, simple and cost-effective alternative to termination strip allowing electrical professionals to save time and money on site while achieving easier, more consistent terminations for wires up to 4mm<sup>2</sup> (12AWG) and 32 Amps.

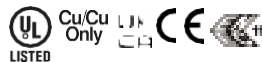


- For use in all applications up to 32A including lighting, access control, radial and final ring circuits
- Releasable connector – for solid, stranded and flexible wires
- Innovative levers – opens in the opposite direction of insertion points
- Compact design – suits tight spaces.
- Easy to use - no need to lift the levers when using on solid wire
- Continuity check port - for testing
- Clear shell - allows for verification of connection
- Secure your cables in seconds – no screwdriver, no crimping, just strip, push, connect
- Wire clamping range - 0.2 mm<sup>2</sup> to 4.0 mm<sup>2</sup> (24 - 12 AWG for solid and rigid stranded wires (7 strands) and 0.14 mm<sup>2</sup> to 4.0 mm<sup>2</sup> (24 - 12 AWG) for flexible wires
- BS 7671:2008 (18<sup>th</sup> Edition), IEC 60998 and UL 486C compliant
- CE, UKCA, UL and ENEC approved



### Specifications

		Model L2 2-Port	Model L3 3-Port	Model L5 5-Port
Rating	IEC 60998	32 Amp / 450V / 85°C (ambient)		
	UL 486C	600V / 105°C (working)		
Depth		18.6 mm		
Width		13.3 mm	18.9 mm	30.4 mm
Height		8.8 mm		
Wire Combination Range	Solid and Rigid Stranded	0.2mm <sup>2</sup> -4.0mm <sup>2</sup> /24-12 AWG		
	Flexible Wires	0.14mm <sup>2</sup> -4.0mm <sup>2</sup> /24-12 AWG		





### Ordering Information

Model	Ports	Quantity	Cat. No.
L2	2	Bag of 10	<b>30-0092-10</b>
		Bag of 30	<b>30-0092-30</b>
		Box of 40	<b>30-0092</b>
L3	3	Bag of 10	<b>30-0093-10</b>
		Bag of 30	<b>30-0093-30</b>
		Box of 40	<b>30-0093</b>
L5	5	Bag of 10	<b>30-0095-10</b>
		Box of 30	<b>30-0095</b>
L2/L3/L5	Mixed Box	10 x 2-port 10 x 3-port 10 x 5-port	<b>30-0099</b>

For kits, please see page 20

# LEVER WIRE CONNECTORS

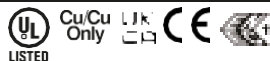
The lever wire connectors provide the perfect solution for joining solid, stranded or flexible conductors.

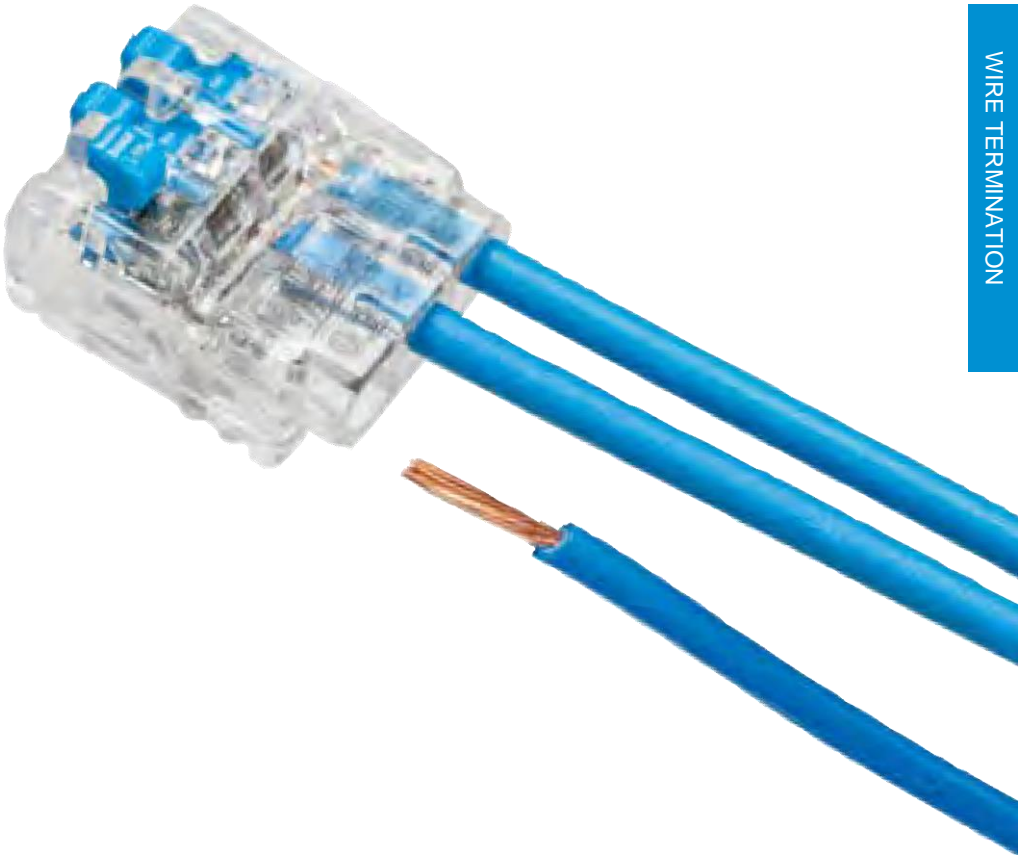
These versatile connectors have a compact design that takes up less room in junction boxes and enclosures.

- Releasable connector for solid, stranded and flexible wires
- Wire clamping range: 0.2mm<sup>2</sup> – 2.5mm<sup>2</sup> (24-18 AWG)
- Modern alternative to traditional strip connectors
- Safe, reliable and re-useable
- Works just like a standard push-in connector with solid and rigid stranded wires
- Clear shell allows verification of connection
- Continuity check port and strip length guide
- Compact design suits tight spaces
- No screwdriver required
- BS 7671:2008 (18<sup>th</sup> Edition), IEC 60998 and UL 486C compliant
- CE, UKCA, UL and ENEC approved

## Specifications

		Model 52 2-Port	Model 53 3-Port	Model 55 5-Port
Rating	IEC 60998	24 Amp / 450V / 85°C ambient		
	UL 486C	300V / 105°C working		
Depth		21 mm		
Width		11.9 mm	16.1 mm	24.5 mm
Height		11.7 mm		
Wire Combination Range	Solid, Rigid Stranded and Flexible Wires	0.2mm <sup>2</sup> -2.5mm <sup>2</sup> /24-18 AWG		





#### Ordering Information

Model	Ports	Quantity	Cat. No.
52	2	Box of 40	<b>30-1052</b>
53	3	Box of 40	<b>30-1053</b>
55	5	Box of 30	<b>30-1055</b>
59	Mixed/ Combo Box	10 x 2-port 10 x 3-port 10 x 5-port	<b>30-1059</b>

For kits, please see page 20



# PUSH-IN WIRE CONNECTORS

The push-in wire connector can reduce installation time by up to 50% compared to more traditional connection methods such as terminal blocks.

Push-In connectors are the perfect replacement for crimped splices. In addition the most popular 2, 3 & 4 port models are rated to 32 Amps.

- Fits any combination of 0.75mm<sup>2</sup> - 4.0mm<sup>2</sup> solid or 1.5mm<sup>2</sup> - 2.5mm<sup>2</sup> stranded ( $\leq 7$  strands) copper conductors or tin bonded flexible wire
- 32 Amp rating on 2, 3 and 4 port models
- High quality, secure connections
- Clear shell allows verification of connection
- Continuity test port
- Colour coded for easy identification
- BS 7671:2008 (18<sup>th</sup> Edition), IEC 998-2-2 and UL 486C/UL 467 grounding compliant
- CE, UKCA and UL approved

## Specifications

		Model 32 Red 2-Port	Model 33 Orange 3-Port	Model 34 Yellow 4-Port	Model 87 Grey 5-Port	Model 88 Blue 6-Port	Model 90 Black 8-Port
Rating	IEN 60998	32A/450V/105°C max			24A/450V/105°C		
	UL94V-2/UL 467*	20A/600V**/105°C					
Depth		19.81 mm			18.52 mm		18.21 mm
Width		13.21 mm	17.53 mm	20.83 mm	23.03 mm	15.32 mm	35.03 mm
Height		9.65 mm			9.02 mm	15.42 mm	9.02 mm
Wire range	Solid	0.75mm <sup>2</sup> to 4.0mm <sup>2</sup> / 20-12 AWG					
	Stranded	1.5mm <sup>2</sup> to 2.5mm <sup>2</sup> * (≤7 Strands) 16 – 14 AWG (≤19 str.) 18 AWG (7 Strands)					
	Tin Bonded	18 – 14 AWG (≤19 str.)					

COPPER TO COPPER ONLY. Do not use on aluminium.\* Only 2, 3 and 4 ports.

\*\*600V maximum building wire, 1000V maximum signs or lighting fixtures.





### Ordering Information

Model	Colour	Ports	Quantity	Cat. No.
32	Red	2	Box of 100	<b>30-1032</b>
			Bag of 10	<b>30-1032-10</b>
			Bag of 40	<b>30-1032-40</b>
33	Orange	3	Box of 100	<b>30-1033</b>
			Bag of 10	<b>30-1033-10</b>
			Bag of 40	<b>30-1033-40</b>
34	Yellow	4	Box of 100	<b>30-1034</b>
			Bag of 10	<b>30-1034-10</b>
			Bag of 40	<b>30-1034-40</b>
87	Grey	5	Box of 50	<b>30-087</b>
			Bag of 10	<b>30-087-10</b>
88	Blue	6 Stacked	Box of 50	<b>30-088</b>
			Bag of 10	<b>30-088-10</b>
90	Black	8	Box of 50	<b>30-090</b>



COPPER TO COPPER ONLY. Do not use on aluminium.  
For kits, please see page 20

# SPLICELINE IN-LINE WIRE CONNECTORS

The SpliceLine® in-line wire connector provides a crimp-free, solderless butt splice. The two-port model accepts up to 4.0mm<sup>2</sup> (14AWG) solid wire, allowing one connector to do the job of multiple through-crimps.

Its end-to-end connection is also a great solution for pre-fab operations.

- Tool-free, push-in through crimp
- Easily passes through standard knockouts
- End-to-end connection ideal for pre-fab operations
- Transparent polycarbonate window for visual inspection of connection
- BS 7671:2008 (18<sup>th</sup> Edition), IEC 60998-1, IEC 60998-2-2, UL 486C and UL 467 grounding compliant
- CE, UKCA and UL listed



Description	Qty.	Cat. No.
SpliceLine In-line Wire Connectors	Bag of 10	<b>30-1042-10</b>
	Bag of 40	<b>30-1042-40</b>
	Box of 100	<b>30-1042</b>

For kits, please see page 20

## Specifications

Model 42 / Orange / 2-Port			
Rating	IEC 60998	32A/450V/105°C max	
	UL 467	20A/600V/105°C	
Wire range	Solid	0.5mm <sup>2</sup> - 4.0mm <sup>2</sup>	20-12 AWG
	Stranded	1.0mm <sup>2</sup> - 2.5mm <sup>2</sup> * (≤ 7 strands)	16-12 AWG (≤ 19 strands)
	Tin Bonded	18 – 14 AWG (≤ 19 str.)	



Wire Connector  
774A

Cu/Cu  
Only





# IN-SURE BOX

The BS 5733 maintenance free accessory standard stipulates that a maintenance free junction box should be used when installing an electrical junction in an inaccessible location, i.e. behind plasterboard or under a floor etc. This eliminates the need for access panels or expensive re-work of finished surfaces.

The In-Sure® Box complies with the BS 5733 and the 18<sup>th</sup> Edition of BS 7671 wiring regulations and is designed for use with Push-In, Gen II Lever, Lever and SpliceLine® connectors.

- **No tools required** - making installation simple and fast
- **Small** - fits through a 50mm hole for spot light or similar installations
- **Versatile** - one enclosure suits multiple installation requirements.
- **Easy to use** - no loose parts to fit or lose
- **Secure your cables in seconds** - patented In-Sure® cable grip system
- **Maintenance Free** - eliminate the need for access panels



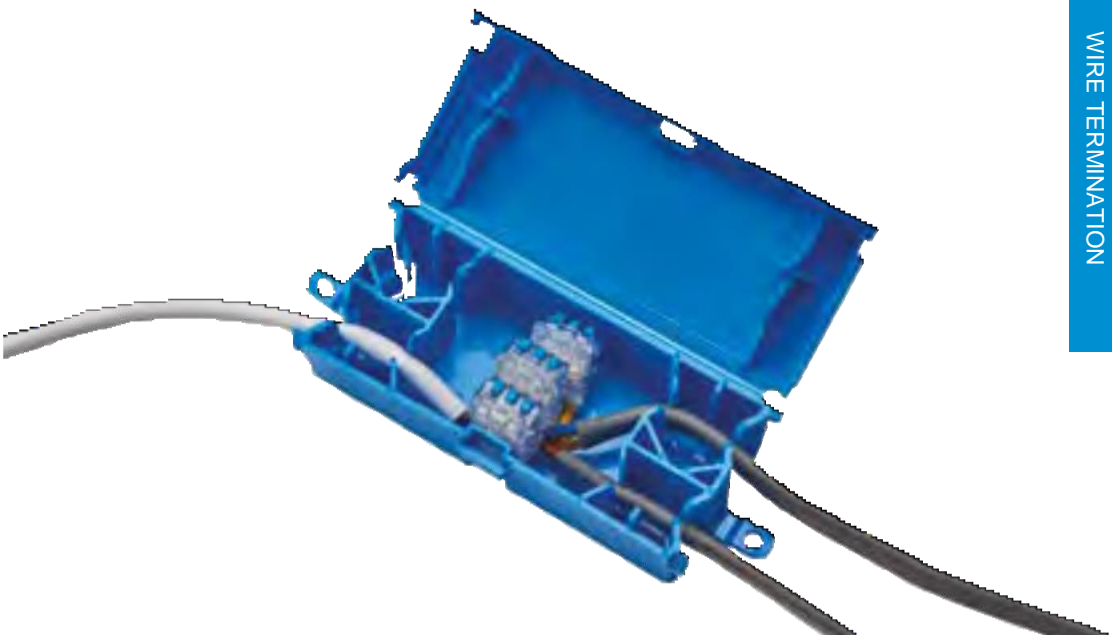
**Cable range supported / maximum cables per size**

Cable Type/Size	Flat Twin & Earth	3 Core Flat & Earth	General Purpose Flexible Cable	2 Core Flat Flexible Cable
2.5mm <sup>2</sup>	2	N/A	N/A	N/A
1.5mm <sup>2</sup>	6	4	2	N/A
1.0mm <sup>2</sup>	8	6	4	N/A
0.75mm <sup>2</sup>	N/A	N/A	4	8
0.5mm <sup>2</sup>	N/A	N/A	6	8



Description	Quantity	Cat. No.
In-Sure® Box	1	<b>30-4000-1</b>
	Box of 10	<b>30-4000</b>





### Specifications

MODEL	WIRE CONNECTOR DESCRIPTION	MAX CURRENT / VOLTAGE ~ RATING	MAX CABLE MM <sup>2</sup>	MAX AGGREGATE CURRENT (Max I <sub>ag</sub> )
32	2-port Push-In	16A/250V	2.5mm <sup>2</sup>	48A
33	3-port Push-In			24A
34	4-port Push-In			
L2	2-port Gen II Lever	16A/250V	2.5mm <sup>2</sup>	48A
L3	3-port Gen II Lever	16A/250V	2.5mm <sup>2</sup>	24A
L5	5-port Gen II Lever	16A/250V	2.5mm <sup>2</sup>	24A
52	2-port Lever	16A/250V	2.5mm <sup>2</sup>	48A
53	3-port Lever			24A
55	5-port Lever			
42	SpliceLine® in-line	16A/250V	2.5mm <sup>2</sup>	24A

Connectors have been de-rated to be suitable as a BS 5733 maintenance free accessory. The Max Aggregate Current (I<sub>ag</sub>) is the sum of all the possible currents through the In-Sure® Box in normal use. This limit must not be exceeded.




# WIRE CONNECTOR KITS

IDEAL offers a range of wire connector kits comprising of Push-In, SpliceLine® and Lever wire connectors.

These kits meet the needs of today's modern electricians who demand quality products that satisfy the requirement to make safe and reliable connections of wires in a variety of wiring applications.





## Ordering Information for kits

Model	Description	Qty.	Cat. No.
	32A Push-In Connector Installer Kit	30 x 2-port push-in 30 x 3-port push-in 30 x 4-port push-in 30 x SpliceLine®	<b>30-5011EU</b>
	Push-In Connector Premium Kit	50 x 2-port push-in 50 x 3-port push-in 50 x 4-port push-in 40 x 5-port push-in 20 x 6-port push-in 15 x 8-port push-in 30 x Twister® 341 (FOC)	<b>30-5020EU</b>
	Push-In Connector Starter Kit	30 x 2-port push-in 30 x 3-port push-in 30 x 4-port push-in 20 x 6-port push-in	<b>30-5021EU</b>





Model	Description	Qty.	Cat. No.
	Push-In & Lever Wire Connector Kit (80 pcs.)	10 x 2-port lever connector 10 x 3-port lever connector 5 x 5-port lever connector 10 x 2-port push-in 10 x 3-port push-in 10 x 4-port push-in 10 x 6-port push-in 15 x 2-port SpliceLine®	<b>30-5005EU</b>
	Push-In & Lever Wire Connector Premium Kit (240 pcs.)	30 x 2-port lever connector 40 x 3-port lever connector 20 x 5-port lever connector 30 x 2-port push-in 30 x 3-port push-in 20 x 4-port push-in 15 x 5-port push-in 15 x 6-port push-in 10 x 8-port push-in 30 x 2-port SpliceLine®	<b>30-5006EU</b>

# GEN II LEVER WIRE CONNECTOR KITS

The GEN II lever wire connector kits contain a selection of Gen II lever connectors, push-in connectors and SpliceLine connectors. There is even a kit including our cable stripper for flat cable (Twin & Earth and Data T®-Cutter).

For the full specification for each kit, please see the individual product pages or visit our website.



## Ordering Information

Description	Qty.	Cat. No.
Twin & Earth Kit for flat cable	1 x Cable Stripper for flat cable (45-235) 1 x Data T®-Cutter (45-074) 20 x SpliceLine 20 x 2-port push-in 20 x 3-port push-in 20 x 2-port Gen II lever 20 x 3-port Gen II lever	<b>30-5002EU</b>
Push-In & Lever Wire Connector Kit (80 pcs.)	10 x 2-port Gen II lever connector 10 x 3-port Gen II lever connector 5 x 5-port Gen II lever connector 10 x 2-port push-in 10 x 3-port push-in 10 x 4-port push-in 10 x 6-port push-in 15 x 2-port SpliceLine®	<b>30-5025EU</b>
Push-In & Lever Wire Connector Premium Kit (240 pcs.)	30 x 2-port Gen II lever connector 40 x 3-port Gen II lever connector 20 x 5-port Gen II lever connector 30 x 2-port push-in 30 x 3-port push-in 20 x 4-port push-in 15 x 5-port push-in 15 x 6-port push-in 10 x 8-port push-in 30 x 2-port SpliceLine®	<b>30-5026EU</b>

# WIRE CONNECTOR BAGS

The IDEAL range of wire connector bags have been designed for electrical contractors, plumbers, installers and heating engineers that may not require the quantities found in our popular boxes, but still have the occasional requirement for our key range of electrical wire connectors.



## Ordering Information

Description	Qty.	Cat. No.
SpliceLine Wire Connectors	10 pk	<b>30-1042-10</b>
SpliceLine Wire Connectors	40 pk	<b>30-1042-40</b>
2-Port Push-In Wire Connectors	10 pk	<b>30-1032-10</b>
3-Port Push-In Wire Connectors	10 pk	<b>30-1033-10</b>
4-Port Push-In Wire Connectors	10 pk	<b>30-1034-10</b>
2-Port Push-In Wire Connectors	40 pk	<b>30-1032-40</b>
3-Port Push-In Wire Connectors	40 pk	<b>30-1033-40</b>
4-Port Push-In Wire Connectors	40 pk	<b>30-1034-40</b>
2-Port Lever Wire Connectors	10 pk	<b>30-0092-10</b>
3-Port Lever Wire Connectors	10 pk	<b>30-0093-10</b>
5-Port Lever Wire Connectors	10 pk	<b>30-0095-10</b>
2-Port Lever Wire Connectors	30 pk	<b>30-0092-30</b>
3-Port Lever Wire Connectors	30 pk	<b>30-0093-30</b>
2-, 3- & 5-Port Lever Wire Connectors	30 pk	<b>30-0099-B</b>
SpliceLine, 3-port Push-In and 2- & 3-Port Lever Wire Connectors	20 pk	<b>30-1059-MB</b>

# Twister® ProFLEX Wire Connector

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.

- Flexible skirt provides improved protection and adapts to tightly fit electrical boxes with limited space
- Swept wing design with SureGrip™ overmould offers greater comfort, leverage, and torque for faster connections
- Expanding square-wire spring and polypropylene shell deliver a secure connection every time
- Widest range in the industry
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- IEC 60998-2, EN 60998-2-4 and UL 486 C compliant



Model	Wire Combination Range (mm)	Wire Combination Range AWG	Quantity	Cat. No.
<b>347</b>	1000V 0.34mm <sup>2</sup> to 10.0mm <sup>2</sup> Min. 2 x 0.75mm <sup>2</sup> Max. 4 x 4.0mm <sup>2</sup> / Max. 3 x 6.0mm <sup>2</sup>	1000V 22-8 AWG Min. 2 #18 - Max 4 #10	Box of 50	<b>30-1047</b>



# Twister® ProFLEX Mini Wire Connector

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

- Expanding square-wire spring and polypropylene shell deliver a secure connection every time
- Swept wing design with SureGrip™ overmould offers greater comfort, leverage, and torque for faster connections
- Flexible skirt provides improved protection and adapts to tightly fit electrical boxes with limited space
- Widest range in the industry
- Tough, UL 94V-2 flame-retardant shell



Model	Wire Combination Range (mm)	Wire Combination Range AWG	Quantity	Cat. No.
343	600V* 0.34mm <sup>2</sup> to 4.0mm <sup>2</sup> Min. 2 x 0.34mm <sup>2</sup> Max. 4 x 4.0mm <sup>2</sup>	600V 22 to 12 AWG Min. 2 #22 – Max. 4 #12 Solid	Box of 100	<b>30-343</b>
			Jar of 500	<b>30-643J</b>
			Barrell of 35,000	<b>30-843</b>



Wire Connector  
774A

Cu/Cu  
Only

UL File E5238

# Twister® Pro Wire Connector

## Cushion-Grip Swept Wing

- SureGrip™ overmoulding provides improved leverage, more torque, and faster connections
- Accepts solid, stranded and flexible wires and are reusable
- Swept wings offer extra leverage and less effort for large wire combinations
- Live-action, square-wire spring locks onto wire for safe, secure connections
- Deep skirt helps protect against flash-over and turned-back strands for maximum dielectric protection
- Cost effective replacement for terminal blocks
- Widest range in the industry
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- BS 7671:2008 (18<sup>th</sup> Edition), IEC 60998-1, IEC 60998-2-4 and UL 486 C compliant
- CE, UKCA and UL listed



Model	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
<b>344*</b>	600V* 22 to 8 AWG  Min. 2 #18- Max. 4 # 10	32A/600V*/ 105°C (221°F)  0.5mm <sup>2</sup> to 4.0mm <sup>2</sup> Min. 3 x 0.5mm <sup>2</sup> Max. 4 x 4.0mm	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>

\* 1,000V maximum in fixtures and signs



Wire Connector

Cu/Cu  
Only



# Twister® Wire Connectors

The No.1 twist-on wire connector. The Twister® easily handles the most common wiring tasks. A patented, expanding square-wire spring always ensures a quick, safe connection.

- Exceptional wire-range capacity — three colour-coded models handle wire combinations from as small as 0.5 mm<sup>2</sup> (22 AWG) to as large as 10.0 mm<sup>2</sup> (8 AWG)
- Accept solid, stranded and flexible wires and are reusable
- Swept wings offer extra leverage and less effort for large wire combinations
- Live-action, square-wire spring locks onto wire for safe, secure connections
- Deep skirt helps protect against flash-over and turned-back strands for maximum dielectric protection
- Cost effective replacement for terminal blocks
- BS 7671:2008 (18<sup>th</sup> Edition), IEC 60998-2, IEC 60998-2-4 and UL 486 C compliant
- CE, UKCA and UL listed



Model	Colour	Wire Combination Range (AWG)	Wire Combination Range (mm)	Qty.	Cat. No.
340*	Orange	600V* 22 to 10 AWG Min. 2 #22 - Max. 3 #12	32A / 450V 0.5mm <sup>2</sup> to 4.0mm <sup>2</sup> Min. 2 x 0.5mm <sup>2</sup> Max. 2 x 4.0mm <sup>2</sup>	Box of 100	30-340
341*	Tan	600V* 22 to 8 AWG Min. 3 #22 - Max. 3 #10	41A / 600V 0.5mm <sup>2</sup> to 6.0mm <sup>2</sup> Min. 3 x 0.5mm <sup>2</sup> Max. 2 x 6.0mm <sup>2</sup>	Box of 100	30-341
342*	Grey	600V* 18 to 6AWG Min. 3 #14 - Max. 2 #8 w/2 #12	57A / 600V 2.5mm <sup>2</sup> to 10.0mm <sup>2</sup> Min. 3 x 2.5mm <sup>2</sup> Max. 2 x 10.0mm <sup>2</sup>	Box of 50	30-342

\*1,000V maximum in fixtures and signs



Wire Connector  
774A

Cu/Cu  
Only





# WIRE-NUT® WIRE CONNECTORS

The American classic since 1928.

- Fixed square spring for a secure hold
- Refined range to handle all common applications
- Positive grip shell that is perfect to twist-on with fingers
- Excellent for fine stranded wire applications
- UL Listed to 105°C (221°F)
- IEC 60998-1, IEC 60998-2-4 and UL 486 C compliant
- CE, UKCA and UL listed



Model	Colour	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
<b>71B*</b>	Grey	300V 22 to 16 AWG Min. 2 #22 Str. Max. 2 #16	300V 0.34mm <sup>2</sup> to 1.5mm <sup>2</sup> Min. 2 x 0.34mm <sup>2</sup> Max. 3 x 1.5mm <sup>2</sup>	Box of 100	<b>30-071</b>
				Carton of 1,000	<b>30-171</b>
<b>72B*</b>	Blue	300V 22 to 14 AWG Min. 2 #22 Max. 3 #16	300V 0.34mm <sup>2</sup> to 2.5mm <sup>2</sup> Min. 2 x 0.34mm <sup>2</sup> Max. 3 x 1.5mm <sup>2</sup>	Box of 100	<b>30-072</b>
				Carton of 1,000	<b>30-172</b>
				Keg of 10,000	<b>30-272</b>
<b>73B*</b>	Orange	600V* 22 to 14 AWG Min. 1 #18 w/1 #20 Max. 2 #14	600V* 0.34mm <sup>2</sup> to 2.5mm <sup>2</sup> Min. 1 x 0.75mm <sup>2</sup> w/1 x 0.5mm <sup>2</sup> Max. 4 x 1.5mm <sup>2</sup> w/1 x 0.50mm <sup>2</sup>	Box of 100	<b>30-073</b>
				Jar of 300	<b>30-073J</b>
				Carton of 1,000	<b>30-173</b>
<b>74B*</b>	Yellow	600V* 18 to 12 AWG Min. 2 #18 Max. 4 #14 w/1 #18	600V* 0.75mm <sup>2</sup> to 4.0mm <sup>2</sup> Min. 2 x 0.75mm <sup>2</sup> Max. 4 x 2.5mm <sup>2</sup> w/1 x 0.75mm <sup>2</sup>	Box of 100	<b>30-074</b>
				Jar of 175	<b>30-074J</b>
<b>76B*</b>	Red	600V* 18 to 6 AWG Min. 2 #14 Max. 4 #12	600V* 0.75mm <sup>2</sup> to 16.0mm <sup>2</sup> Min. 2 x 2.5mm <sup>2</sup> Max. 2 x 4.0mm <sup>2</sup>	Box of 100	<b>30-076</b>
				Jar of 150	<b>30-076J</b>

\*1,000V maximum in fixtures and signs



Wire Connector  
774A

Cu/Cu  
Only



UK  
CA



# HIGH-TEMP WIRE-NUT® WIRE CONNECTORS

All of the same features as the Wire-Nut® Wire Connector, plus:

- Black, thermoplastic shell designed to withstand extreme heat build-up found in high-wattage light fixtures and signs
- UL Listed to 150°C (302°F)
- UL 486 C compliant



Model	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
<b>71B*</b>	300V 22 to 16 AWG Min. 2 #22 Str – Max. 2 #16	300V 0.34mm <sup>2</sup> to 1,5mm <sup>2</sup> Min. 2 x 0.34mm <sup>2</sup> – Max. 2 x 1.5mm <sup>2</sup>	Box of 100	<b>30-3627</b>
			Carton of 1,000	<b>30-151</b>
			Keg of 25,000	<b>30-251</b>
<b>72B*</b>	300V 22 to 14 AWG Min. 2 #22 – Max. 3 #16	300V 0.34mm <sup>2</sup> to 2.5mm <sup>2</sup> Min. 2 x 0.34mm <sup>2</sup> – Max. 3 x 1.5mm <sup>2</sup>	Box of 100	<b>30-3628</b>
			Keg of 10,000	<b>30-252</b>
<b>73B*</b>	600V* 22 to 14 AWG Min. 1 #18 w/1 #20 Max. 2 #14	600V* 0.34mm <sup>2</sup> to 2.5mm <sup>2</sup> Min. 1 x 0.75mm <sup>2</sup> w/1 x 0.50mm <sup>2</sup> Max. 4 x 1.5mm <sup>2</sup> w/1 x 0,50mm <sup>2</sup>	Box of 100	<b>30-3629</b>
			Keg of 10,000	<b>30-253</b>
			Barrel of 50,000	<b>30-803</b>
<b>59B™</b>	600V* 22 to 12 AWG Min. 2 #20 – Max. 3 #14	600V* 0.34mm <sup>2</sup> to 4.0mm <sup>2</sup> Min. 2 x 0.5mm <sup>2</sup> – Max. 3 x 2.5mm <sup>2</sup>	Box of 100	<b>30-059</b>
			Keg of 5,000	<b>30-259</b>

\*1,000V maximum in fixtures and signs



Wire Connector  
774A

Cu/Cu  
Only



# WING-NUT® WIRE CONNECTORS

## High-Leverage Wing

- Contoured wing profile provides extra leverage for superior torque
- Expanding, live-action spring expands to accommodate a wide range of wire sizes and combinations
- Co-polymer shell expands for smooth, progressive tightening providing dependable connections
- Removable for repeat usage on same size or larger combinations
- Tough, UL94V-2 flame retardant shell rated at 105°C (221°F)
- IEC 60998-1, IEC 60998-2-4 and UL 486 C compliant
- CE, UKCA and UL listed



Model	Colour	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
451*	Yellow	600V* 18 to 10 AWG Min. 2 #18 Max. 3 #12	600V* 0.75mm <sup>2</sup> to 6.0mm <sup>2</sup> Min. 2 x 0.75mm <sup>2</sup> Max. 3 x 4.0mm <sup>2</sup>	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>
452*	Red	600V* 18 to 8 AWG  <b>Min. 2 #18 Max. 4 #10 (Widest range in the Industry!)</b>	600V* 0.75mm <sup>2</sup> to 10.0mm <sup>2</sup> Min. 2 x 0.75mm <sup>2</sup> Max. 4 x 6.0mm <sup>2</sup>	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	600V* 14 to 6 AWG Min. 3 #12 Max. 1 #6 w/2 #8	600V* 2.5mm <sup>2</sup> to 16.0mm <sup>2</sup> Min. 3 x 4.0mm <sup>2</sup> Max. 2 x 16.0mm <sup>2</sup>	Box of 25	<b>30-454</b>
				Bag of 100	<b>30-654</b>

\* 1,000 maximum in fixtures and signs



Wire Connector  
774A

Cu/Cu  
Only



# TWISTER® AL/CU WIRE CONNECTORS

## Al/Cu Connections

- Only aluminium-to-copper twist-on connector specifically designed to provide a secure connection while preventing aluminium corrosion
- Pre-filled antioxidant compound prevents oxidation of aluminium conductors
- Patent swept wings and hexagonal head for easy installation by hand or with standard nut driver
- Live-action, square-wire spring expands and contracts with aluminium wire
- Entry-cap retains corrosion-resistant compound
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- Complies with N.E.C. Section #110-14(b) for aluminium-to-copper connections; UL Listed to 486C and CSA Certified to C22.2 #188

Model	Colour	Quantity	Part 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>



600V maximum building wire; 1,000V signs or light fixtures

### Wire Combination Ranges

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





# IP RATED WEATHERPROOF WIRE CONNECTORS

Designed specifically for above ground, interior/exterior connections exposed to damp/wet and corrosive environments.

WeatherProof® connectors are pre-filled with a non-hardening, silicone-based sealant that protects against moisture and corrosion.

- Silicone-based sealant protects against moisture and corrosion
- IP55 rated
- Easy to apply, pre-filled twist-on wire connectors
- Accept solid and stranded wire
- Handle wire sizes from 1.5mm<sup>2</sup> to 4.0mm<sup>2</sup> copper conductors
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- BS 7671:2008 (18<sup>th</sup> Edition), IEC 998-2-4 compliant and UL listed to 486 C and G (sealed twist-on wire connector)
- CE, UKCA and UL listed



Model	Colour	Wire Combination Range (AWG)	Wire Combination Range (mm)	Qty.	Cat. No.
61	Black/Orange	600V* 22 to 14 AWG Min. 2 #20 - Max 2 #14	24A/450V 1.5mm <sup>2</sup> to 2.5mm <sup>2</sup> Min. 1 x 1.5mm <sup>2</sup> - Max 2 x 2.5mm <sup>2</sup>	Card of 25	30-1161
62	Black/Red	600V* 18 to 8 AWG Min. 3 #18 - Max 2 #10 w/1 #14	32A/450V 1.5mm <sup>2</sup> to 4.0mm <sup>2</sup> Min 2 x 1.5mm <sup>2</sup> - Max. 4 x 4.0mm <sup>2</sup>	Card of 25	30-1162
63	Black/Dark Blue	600V* 16 to 6 AWG Min. 3 #14 - Max 5 #10	32A/450V 2.5mm <sup>2</sup> to 4.0mm <sup>2</sup> Min 3 x 2.5mm <sup>2</sup> - Max. 6 x 4.0mm <sup>2</sup>	Card of 15	30-1163



# MUDBUG® UTILITY WIRE CONNECTORS



- Connects underground gas tracer lines providing superior protection
- Moisture and corrosion resistant, pre-filled with non- hardening, 100% silicone
- UL Listed to direct burial test standard 486D up to 600V maximum voltage



Model	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
60*	600V* 20 to 10 AWG Min. 1 #20 w/1 #18 – Max. 1 #10 w/2 #12	600V* 0.5mm <sup>2</sup> to 6.0mm <sup>2</sup> Min. 1 x 0.5mm <sup>2</sup> w/1.75mm <sup>2</sup> – Max. 1 x 6.0mm <sup>2</sup> w/2 - 4.0mm <sup>2</sup>	Carton of 1,000	30-360Y

\*1,000V maximum in fixtures and signs



# Model: Wire Combinations:

**Twister® ProFLEX** 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

347 Red/Yellow	WIDEST RANGE IN THE INDUSTRY	MIN. 2 #18	MAX. 4 #10
340™ Orange	MIN. 2 #22	MAX. 3 #12	
341® Tan	MIN. 3 #22	MAX. 3 #10	
344® Red/Tan	WIDEST RANGE IN THE INDUSTRY	MIN. 2 #18	MAX. 4 #10
342® Grey		MIN. 3 #14	MAX. 2 #8 w/ 2 #12

## Wire-Nut®

71B® Grey (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		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	MIN. 2 #18	MAX. 4 #10	
454® Blue		MIN. 3 #12	MAX. 1 #6 w/ 2 #8













## WeatherProof













61® Grey/Orange	MIN. 2 #20	MAX. 2 #14	
62® Grey/Red	MIN. 3 #18	MAX. 2 #10 w/ 1 #14	
63® Grey/Dk Blue		MIN. 3 #14	MAX. 5 #10
60® Yellow	MIN. 1 #20 w/ 1 #18	MAX. 1 #10 w/ 2 #12	

# WIRE TERMINATION



# WIRE CONNECTOR APPLICATION GUIDE

		RESIDENTIAL	Light Switches	Receptacles	Ceiling Fans	Can Lights	Thermostat Controls	Smoke/CO Detectors	Door Bells
<b>Twister®</b>									
340™ Orange		•	•	•	•	•	•	•	•
341® Tan		•	•	•	•	•	•	•	•
344® Red/Yellow		•	•	•	•	•	•	•	•
342® Grey									
<b>Wire-Nut®</b>									
71B® Grey						•			
72B® Blue						•	•		•
73B® Orange				•	•		•		•
74B® Yellow		•		•	•		•		
76B® Red		•	•			•		•	
<b>Wing-Nut®</b>									
451® Yellow		•	•	•	•		•		•
452® Red		•	•			•		•	
454® Blue									

		COMMERCIAL	Multi-Gang Switch Boxes	Emergency Systems	Recessed Lighting	Illuminated Signs	3-Phase Motors
<b>Twister®</b>							
340™ Orange			•	•	•	•	•
341® Tan			•		•		•
344® Red/Yellow		•	•		•	•	•
342® Grey		•			•	•	•
<b>Wire-Nut®</b>							
71B® Grey			•	•			
72B® Blue			•	•			
73B® Orange			•	•	•		
74B® Yellow					•	•	
76B® Red		•			•	•	•
<b>Wing-Nut®</b>							
451® Yellow				•			
452® Red		•			•	•	•
454® Blue		•			•	•	•

# WIRE CONNECTOR APPLICATION GUIDE

WeatherProof	RESIDENTIAL	Receptacles	Ceiling Fans	Can Lights	Thermostat Controls	Smoke/CO Detectors	Garage Doors	Bells
61® Grey/Orange	AL				✓	•		
62® Grey/Red		•	•	•	•	•	•	•
63® Grey/Dk. Blue		•	•	•	•	•	•	•

WeatherProof	COMMERCIAL	Security Systems	Interior Lighting	Parking Lot Lighting	Washing Machines	Processing Plants	Traffic Signals
61® Grey/Orange		•		•	•	•	•
62® Grey/Red			•	•	•	•	•
63® Grey/Dk. Blue		•	•	•	•	•	•





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Best Managed  
Companies

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## *Talk to Our Team Today*

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