



**TWISTER CONNECTORS**

**TWISTER WIRE CONNECTOR SOLUTIONS**

**idealind.com**

## 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.
<b>343</b>	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>



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



# 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.
<b>340</b> ®	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	<b>30-340</b>
<b>341</b> ®	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	<b>30-341</b>
<b>342</b> ®	Grey	600V* 18 to 6 AWG 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	<b>30-342</b>

\*1,000V maximum in fixtures and signs



# 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.
71B®	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>
72B®	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>
73B®	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>
73B®	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>	Carton of 1,000	<b>30-173</b>
				Box of 100	<b>30-074</b>
74B®	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>
76B®	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



# 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.
71B®	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>
72B®	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>
73B®	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>
59B™	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



# 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</b> <b>Max. 4 #10</b> <b>(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



# TWISTER® AL/CU WIRE CONNECTORS

## Al/Cu Connections

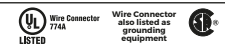
- Only aluminium-to-copper twist-on connector specifically designed to provide a secure connection while preventing aluminium corrosion
- Pre-filled antioxidant compound prevents oxidation of aluminium conductors
- Patent swept wings and hexagonal head for easy installation by hand or with standard nut 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 #10 Al w/1 or 2 #12 Cu 2 #10 Al solid w/1 #12 Cu 1 #10 Al w/1 or 2 #14 Cu 2 #10 Al solid w/1 #14 Cu 2 #12 Al solid w/1 #10 Cu 1 #12 Al solid w/1 or 2 #10 Cu 1 #12 Al stranded w/1 or 2 #10 Cu solid 1 #12 Al w/1 or 2 #12 Cu 2 #12 Al solid w/1 #12 Cu	1 #12 Al w/1 or 2 #14 Cu 2 #12 Al solid w/1 #14 Cu 1 #10 Al w/1 or 2 #18 Cu 2 #10 Al solid w/1 #18 Cu 1 #12 Al w/1 or 2 #16 Cu 2 #12 Al solid w/1 #16 Cu 1 #10 Al w/1 or 2 #16 Cu 2 #10 Al solid w/1 #16 Cu 1 #12 Al w/1 or 2 #18 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 20	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



## WIRE CONNECTOR APPLICATION GUIDE

WeatherProof	RESIDENTIAL	Receptacles	Ceiling Fans	Can Lights	Thermostat Controls	HVAC	Smoke/CO Detectors	Garage Door Openers	Door Bells
61® Grey/Orange	●	●	●	●	●	●	●	●	●
62® Grey/Red	●	●	●	●	●	●	●	●	●
63® Grey/Dk. Blue	●	●	●	●	●	●	●	●	●

WeatherProof	COMMERCIAL	Security Systems	Exterior Lighting	Street/Parking Lot Lighting	Car Washes	Processing Plants	Traffic Signals	HVAC
61® Grey/Orange	●	●	●	●	●	●	●	●
62® Grey/Red	●	●	●	●	●	●	●	●
63® Grey/Dk. Blue	●	●	●	●	●	●	●	●



# WIRE CONNECTOR APPLICATION GUIDE

		<b>RESIDENTIAL</b>									
		Light Switches	Receptacles	Ceiling Fans	Can Lights	Thermostat Controls	HVAC	Smoke/CO Detectors	Garage Door Openers	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											

		<b>COMMERCIAL</b>									
		Multi-Gang Switch Boxes	Security Systems	Intercoms	Recessed Lighting	Controls	Illuminated Signage	Receptacles	3-Phase Motors	HVAC	
<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		•				•	•		•	•	

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