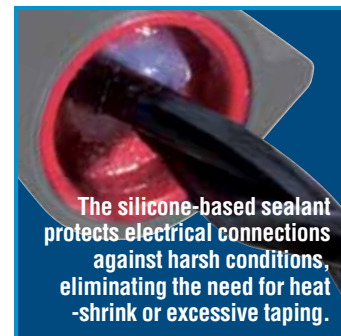


# WeatherProof® and UnderGround® Wire Connectors

- Silicone-based sealant protects against moisture and corrosion
- UL Listed to 486D for use in damp/wet locations or direct burial
- Easy to apply, pre-filled twist-on wire connectors
- Handles wire sizes from 22 to 6 AWG copper conductors
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- UL Listed to 486C and CSA Certified to C22.2 #188; comply with Federal Specification W-S-610E



**WeatherProof®** – suitable for interior and exterior electrical connections exposed to rain or damp conditions.



**UnderGround®** – suitable for use in a wide variety of direct burial and wet location electrical connections.



## WeatherProof® Wire Connectors

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Cat. No.
61®	Gray/Orange	600V* 22 to 14 AWG Min. 2 #20 Max. 2 #14	600V* ,34mm <sup>2</sup> to 4,0mm <sup>2</sup> Min. 2-,5mm <sup>2</sup> Max. 2-2,5mm <sup>2</sup>	Card of 6	30-061
				Card of 25	30-161
				Box of 100	30-261
				Box of 1,000	30-361
62®	Gray/Red	600V* 18 to 8 AWG Min. 2 #18 Max. 3 #10	600V* ,75mm <sup>2</sup> to 10,0mm <sup>2</sup> Min. 2-,75mm <sup>2</sup> Max. 3-6,0mm <sup>2</sup>	Card of 5	30-062
				Card of 20	30-162
				Box of 100	30-262
				Box of 1,000	30-362
63®	Gray/Dk. Blue	600V* 16 to 6 AWG Min. 3 #14 Max. 5 #10	600V* 1,5mm <sup>2</sup> to 16,0mm <sup>2</sup> Min. 2-2,5mm <sup>2</sup> Max. 2-10,0mm <sup>2</sup> w/1-6,0mm <sup>2</sup>	Card of 3	30-063
				Card of 15	30-163
				Box of 100	30-263
				Box of 1,000	30-363

\*1,000V maximum in fixtures and signs

## UnderGround® Wire Connectors

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Cat. No.
60®	Gray/Blue	600V* 20 to 10 AWG Min. 1 #20 w/1 #18 Max. 1 #10 w/2 #12	600V* ,5mm <sup>2</sup> to 6,0mm <sup>2</sup> Min. 1-,5mm <sup>2</sup> w/1,75mm <sup>2</sup> Max. 1-6,0mm <sup>2</sup> w/2-4,0mm <sup>2</sup>	Card of 2	30-060
				Card of 10	30-760
				Box of 25	30-160
				Box of 100	30-260
				Box of 1,000	30-360
64®	Gray/Dk. Blue	600V* 18 to 8 AWG Min. 2 #18 Sol. Max. 3 #10	600V* ,75mm <sup>2</sup> to 10,0mm <sup>2</sup> Min. 2-,75mm <sup>2</sup> Sol. Max. 3-6,0mm <sup>2</sup>	Card of 2	30-064
				Card of 10	30-764
				Box of 50	30-264
				Box of 1,000	30-364

\*1,000V maximum in fixtures and signs



# IDEAL® WIRE TERMINATION

## mudbug® Utility Wire Connectors



- Connects underground gas tracer lines providing superior protection
- Moisture and corrosion resistant, pre-filled with non-hardening, 100% silicone
- 20 - 8 AWG wire range capacity
- UL Listed to direct burial test standard 486D up to 600V maximum voltage

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Cat. No.
60®	Yellow	600V* 20 to 10 AWG Min. 1 #20 w/1 #18 Max. 1 #10 w/2 #12	600V* ,5mm <sup>2</sup> to 6,0mm <sup>2</sup> Min. 1-,5mm <sup>2</sup> w/1 ,75mm <sup>2</sup> Max. 1-6,0mm <sup>2</sup> w/2-4,0mm <sup>2</sup>	Box of 25	<b>30-160Y</b>
				Box of 1,000	<b>30-360Y</b>
64®	Yellow	600V* 18 to 8 AWG Min. 2 #18 Sol. Max. 3 #10	600V* ,75mm <sup>2</sup> to 10,0mm <sup>2</sup> Min. 2-,75mm <sup>2</sup> Sol. Max. 3-6,0mm <sup>2</sup>	Box of 25	<b>30-164Y</b>
				Box of 1,000	<b>30-364Y</b>

\*1,000V maximum in fixtures and signs



## Twister® Al/Cu Wire Connectors

- Only aluminum-to-copper twist-on connector specifically designed to guarantee a secure connection while preventing aluminum corrosion
- Specially formulated corrosion-resistant compound penetrates corrosion build-up on aluminum conductors for increased conductivity and cooler connections
- Compact, one-piece design features ribbed cap, swept wings and hexagonal head for easy installation by hand or with standard nutdriver
- Live-action, square-wire spring expands and contracts with aluminum wire
- Deep skirt provides maximum dielectric strength
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- Complies with N.E.C. Section #110-14(b) for aluminum-to-copper connections; UL Listed to 486C and CSA Certified to C22.2 #188; complies with Federal Specification W-S-610E
- Listed to UL467 for grounding and bonding



Model	Color	Wire Combination Ranges	Quantity	Cat. No.
65	Purple	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	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

**WARNING:**

1. One time use only. Do not reuse connector.
2. Do not use on aluminum to aluminum wire combinations.
3. Wiring must comply with all applicable electrical codes.
4. Contact IDEAL or visit IDEAL website for a complete list of UL Listed wire combinations.



## Spin-Twist® Wire Connector Socket



- Speeds installation of IDEAL and BUCHANAN Wire Connectors
- For use with electric corded or cordless drill drivers
- 1/4 in. chuck fits most drills or drive sockets

For Connector Models	Cat. No.
Wire-Nut®, Wing-Nut®, Twister®, B-CAP® & WingTwist™ Wire Connectors	<b>30-902</b>



## 7-in-1 Twist-a-Nut™ Screwdriver



- Facilitates installation of connectors
- Universal Wire-Nut® Wire Connector Wrench in handle
- Accepts most twist-on connectors

Description	Cat. No.
7-in-1 Twist-a-Nut™ Screwdriver	<b>35-908</b>



## Nutmaster™ Nutdriver

- Speeds installation of Twister® Wire Connectors
- Nickel/chrome plated to resist rust and corrosion
- Cushioned rubber grip



For Connector Models	Cat. No.
341®, 5/16 in. Driver	<b>35-292</b>
342®, 7/16 in. Driver	<b>35-295</b>



## 9-in-1 Ratch-a-Nut™ Screwdriver



- Ratcheting wire connector wrench speeds installation of wire connectors
- Premium screwdriver ratchet mechanism can handle high torque without fatigue

Description	Cat. No.
9-in-1 Ratch-a-Nut™ Screwdriver	<b>35-988</b>



## Twist-a-Nut™ Pro Electrician's Screwdrivers

- Convenient Wire-Nut® Wrench in end of handle
- Wire-looping hole in handle
- Vapor-blasted tip prevents plate chipping
- Tough, chrome vanadium steel shank
- Precision ground tip provides secure fit in screw slot



Description	Cat. No.
#2 x 6 Robertson	<b>30-330</b>
1/4 in. x 4 in. Slotted	<b>30-331</b>
#2 x 4 in. Phillips	<b>30-332</b>
1/4 in. x 6 in. Slotted Cabinet Tip	<b>30-333</b>



## 21-in-1 Twist-a-Nut™ Screwdriver

- Wire Connector wrench prevents finger fatigue and gets in tight spaces
- Premium screwdriver ratchet mechanism can handle high torque without failure
- Ergonomic, slip-free comfort grip
- Multiple bit storage unit and wire-looping hole in handle
- Includes:
  - (3) Phillips tips – #1, #2 & #3
  - (3) Slotted tips – 3/16 in., 1/4 in. & 5/16 in.
  - (2) Square tips – #1 & #2
  - (4) Star tips – #15, #20, #25 & #30
  - (4) Hex tips – 3/32 in., 1/8 in., 3/16 in. & 5/32 in.
  - (3) Nutdriver tips – 1/4 in., 5/16 in. & 7/16 in.



Description	Cat. No.
21-in-1 Twist-a-Nut™ Screwdriver	<b>35-688</b>

