





For a complete listing of UL approved wire combinations, visit us at http://www.idealindustries.com/products/wire_termination/twist-on

Wing-Nut® Wire Connectors

- Three color-coded models cover a full range of wire sizes from 18 to 6 AWG
- Specially designed contoured wings provide a secure grip for extra leverage on maximum wire combinations
- Live-action spring expands to accept wire shape and size with no pre-twisting required
- Square-wire spring threads directly onto conductors for fast, secure connections
- Deep skirt helps protect against flash-over and turned-back strands for maximum dielectric protection
- 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




Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Cat. No.
451® 	Yellow	600V* 18 to 10 AWG Min. 2 #18 Max. 3 #12	600V* ,75mm ² to 6,0mm ² Min. 2-.75mm ² Max. 3-4,0mm ²	Box of 100	30-451
				Jar of 225	30-451J
				Jar of 500	30-651J
				Bag of 500	30-651
				Carton of 1,000	30-551
				Barrel of 35,000	30-851
452® 	Red 	600V* 18 to 8 AWG Min. 2 #18 Max. 4 #10	600V* ,75mm ² to 10,0mm ² Min. 2-.75mm ² Max. 4-6,0mm ²	Box of 100	30-452
				Jar of 300	30-452J
				Jar of 500	30-652J
				Bag of 500	30-652
				Carton of 1,000	30-552
				Barrel of 25,000	30-852
454® 	Blue	600V* 14 to 6 AWG Min. 3 #12 Max. 1 #6 & 2 #8	600V* 2,5mm ² to 16,0mm ² Min. 3-4,0mm ² Max. 2-16,0mm ² w/1-4,0mm ²	Box of 25	30-454
				Bag of 100	30-654
				Carton of 250	30-554
				Barrel of 10,000	30-854

*1,000V maximum in fixtures and signs



Greenie® Grounding Wire Connectors

- Designed for making ground connections and bonding non-metallic sheathed cable
- Contoured wings for maximum leverage
- Live-action, square-wire spring provides superior grounding connections
- Tough, UL 94V-2 flame-retardant shell
- UL Listed to 467 and CSA Certified to C22.2 #188; comply with Federal Specification W-S-610E

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Cat. No.
92® 	Green	14 to 10 Min. 2 #14 Max. 4 #12	2,5mm ² to 6,0mm ² Min. 2-2,5mm ² Max. 2-4,0mm ² w/1-2,5mm ²	Box of 100	30-092
				Jar of 150	30-092J
				Bag of 500	30-292
				Carton of 1,000	30-192
				Barrel of 25,000	30-992

Greenie® Grounding Connector fully meets the intent of the N.E.C. and specifically aids in compliance with the following:



ARTICLE 250: GROUNDING

- 250-146 Connecting Receptacle Grounding Terminal to Box
- 250-148 Continuity and Attachment of Equipment Grounding Conductors to Boxes
 - (B) Grounding continuity
 - (D) Nonmetallic boxes

See Page A-10 for more IDEAL Grounding Products!