

# Wing-Nut® Wire Connectors

- 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)



Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
451®	Yellow	600V* 18 to 10 AWG Min. 2 #18 – Max. 3 #12	600V* .75mm <sup>2</sup> to 6,0mm <sup>2</sup> Min. 2-.75mm <sup>2</sup> – Max. 3-4,0mm <sup>2</sup>	Box of 100	30-451
				Jar of 225	30-451J
				Jar of 500	30-651J
				Bag of 500	30-651
				Barrel of 35,000	30-851
452®	Red	600V* 18 to 8 AWG <b>Min. 2 #18 – Max. 4 #10</b> <b>(Widest range in the Industry!)</b>	600V* .75mm <sup>2</sup> to 10,0mm <sup>2</sup> Min. 2-.75mm <sup>2</sup> – Max. 4-6,0mm <sup>2</sup>	Box of 100	30-452
				Jar of 300	30-452J
				Jar of 500	30-652J
				Bag of 500	30-652
				Barrel of 25,000	30-852
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. 3-4,0mm <sup>2</sup> – Max. 2-16,0mm <sup>2</sup> w/1-4,0mm <sup>2</sup>	Box of 25	30-454
				Bag of 100	30-654

\*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 superior leverage
- Live-action, square-wire spring provides quality grounding connections
- Tough, UL 94V-2 flame-retardant shell



Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
92®	Green	14 to 10 AWG Min. 2 #14 – Max. 4 #12	2,5mm <sup>2</sup> to 6,0mm <sup>2</sup> Min. 2-2,5mm <sup>2</sup> Max. 2-4,0mm <sup>2</sup> w/1-2,5mm <sup>2</sup>	Box of 100	30-092
				Jar of 150	30-092J
				Bag of 500	30-292

Greenie® Grounding Connector fully meets the intent of the NEC 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-19 for more IDEAL Grounding Products.