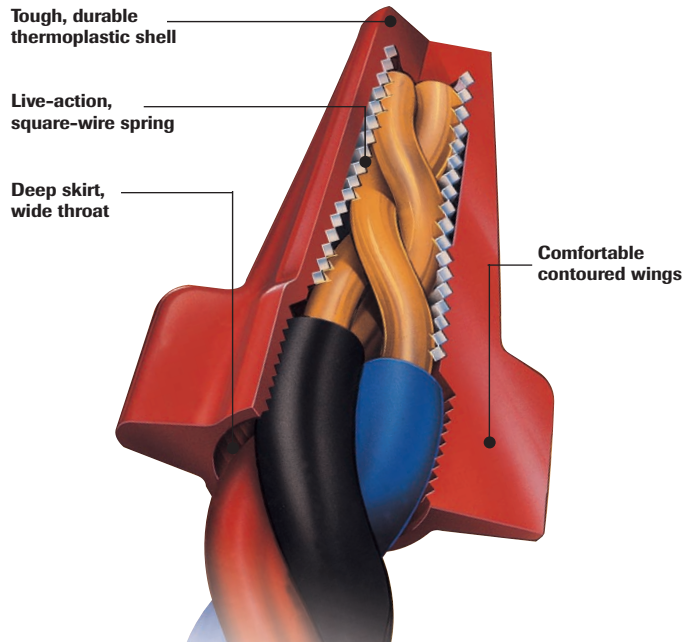
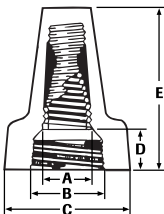


## Wing-Nut® Wire Connectors

- Three color-coded models cover a full range of wire sizes from 18 through 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
- Easily removed for repeat usage on same size or larger wire combinations
- 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
- Classified in accordance with IEC Publications 998-2 and 998-2-4



### Dimensions (Inches/mm)



Model	A	B	C	D	E
451°	15/64 6	11/32 9	11/16 18	5/16 8	1-1/64 26
452°	21/64 8.5	15/32 12	15/16 24	5/16 8	1-15/64 31.5
454°	7/16 11	5/8 16	1-3/16 30	13/32 10.5	1-15/32 37.5
92°	21/64 8.5	13/32 10.5	29/32 23	9/32 10	1-5/32 30

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Cat. No.
451°	Yellow	600V* 18 thru 10 AWG Min. 2 #18 Max. 4 #10	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	<b>30-451</b>
				Jar of 225	<b>30-451J</b>
				Jar of 500	<b>30-651J</b>
				Carton of 1,000	<b>30-551</b>
				Keg of 5,000 (10 bags, 500 ea.)	<b>30-651</b>
452°	Red	600V* 18 thru 8 AWG <b>Min. 2 #18</b> <b>Max. 4 #10</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>	Barrel of 35,000	<b>30-851</b>
				Box of 100	<b>30-452</b>
				Jar of 300	<b>30-452J</b>
				Jar of 500	<b>30-652J</b>
				Carton of 1,000	<b>30-552</b>
454°	Blue	600V* 14 thru 6 AWG Min. 3 #12 Max. 1 #6 & 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>	Keg of 5,000 (10 bags, 500 ea.)	<b>30-652</b>
				Barrel of 25,000	<b>30-852</b>
				Box of 50	<b>30-454</b>
				Keg of 2,500 (25 bags, 100 ea.)	<b>30-654</b>

\*1,000V maximum in fixtures and signs



Model	Min	Max
451 Yellow	2 #18	3 #12
452 Red	2 #18	4 #10
454 Blue	3 #12	1 #6 & 2 #8

Wire Combinations: 2 #18, 2 #14, 3 #12, 5 #12, 4 #10, 5 #10