

UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

Combinations listed on this page are CU/CU Wire only. (Do not use on aluminum wire.) For use on solid and/or stranded wire combinations unless noted otherwise.

IDEAL Wing-Nut® Wire Connectors			
Model	600 Volt Maximum		
451®	1 #10	2 #12 w/1 or 2 #18	3 #14 w/1 or 2 #18
	1 #10 w/1 #12	2 #12 w/1 #16	2 to 4 #16
	1 #10 w/1 or 2 #14	2 #12 w/1 #14	1 #16 w/1 to 5 #18
	1 #10 w/1 or 2 #16	1 to 3 #14	2 #16 w/1 to 4 #18
	1 #10 w/1 to 3 #18	1 #14 w/1 to 5 #18	3 #16 w/1 to 3 #18
	1 to 3 #12	1 #14 w/1 to 4 #16	4 #16 w/1 or 2 #18
	1 #12 w/1 to 5 #18	2 #14 w/1 to 3 #18	2 to 4 #18
	1 #12 w/1 to 3 #16	2 #14 w/1 to 3 #16	
	1 #12 w/1 or 2 #14	3 #14 w/1 #16	
452® & Twister- PRO® 344®	1 #6	3 #10 w/1 or 2 #14	4 #14 w/1 or 2 #16
	1 or 2 #8	3 #10 w/1 #12	4 #14 w/1 #16 w/ 1#18
	1 to 4 #10	3 #10 w/1 #16 w/1 or 2 #18	5#14 w/ 1#185#14 w/ 1#16
	1 to 5 #12	3 #10 w/1 #14 w/1 or 2 #18	1 #16 w/1 to 5 #22
	1 to 6 #14	3 #10 w/1 #14 w/1 #16	1 #16 w/1 to 5 #20
	1 to 6 #16	3 #10 w/1 #12 w/1 #18	1 #16 w/1 to 5 #18
	2 to 6 #18	3 #10 w/1 #12 w/1 #16	1 #16 w/1 #20 w/1 to 2 #22
	3 to 6 #20	1 #12 w/1 to 5 #18	1 #16 w/2 #20 w/1 to 2 #22
	4 to 6 #22	1 #12 w/1 to 5 #16	2 #16 w/1 #20 w/1 to 2 #22
	1 #6 w/ 1 or 2 #12	1 #12 w/1 to 5 #14	2 #16 w/2 #20 w/1 to 2 #22
	1 #6 w/ 1#10	1 #12 w/1 #16 w/1 to 3 #18	1 #16 w/1 #18 w/1 to 3 #22
	1 #6 w/ 2#14 w/ 1 or 2 #16	2 #12 w/1 #16 w/1 to 3 #18	1 #16 w/1 #18 w/1 to 3 #20
	1 #6 w/ 1#12 w/ 1 or 2 #14	1 #12 w/1 #14 w/1 to 3 #18	2 #16 w/1 #18 w/1 to 3 #22
	1 #6 w/ 2#12 w/ 1 #18	1 #12 w/1 #14 w/1 to 3 #16	2 #16 w/1 #18 w/1 to 3 #20
	1 #6 w/ 1#10 w/ 1 #14	2 #12 w/1 #14 w/1 to 3 #16	2 #16 w/1 to 4 #22
	1 #8 w/ 1 to 5 #16	2 #12 w/1 #14 w/1 to 3 #18	2 #16 w/1 to 4 #20
	1 #8 w/ 1 to 4 #14	1 #12 w/2 #14 w/1 or 2 #16	2 #16 w/1 to 4 #18
	1 #8 w/ 1 to 3 #12	2 #12 w/2 #14 w/1 or 2 #16	3 #16 w/1 to 3 #22
	1 #8 w/ 2#12 w/ 1 or 2#14	2 #12 w/1 to 4 #18	3 #16 w/1 to 3 #20
	1 #8 w/1 or 2 #10	2 #12 w/1 to 4 #16	3 #16 w/1 to 3 #18
	1 #8 w/1 #10 w/ 1 or 2 #14	2 #12 w/1 to 4 #14	3 #16 w/1 or 2#22 w/ 1#20
	1 #8 w/1 #10 w/ 1 or 2 #12	3 #12 w/1 to 3 #18	3 #16 w/1 #18 w/1 or 2#22
	1 #8 w/2 #10 w/ 1#14	3 #12 w/1 to 3 #16	3 #16 w/1 #18 w/1 or 2#20
	1 #10 w/1 to 5 #18	3 #12 w/1 to 3 #14	4 #16 w/1 to 2 #22
	1 #10 w/1 to 5 #16	3 #12 w/1 #16 w/1 or 2 #18	4 #16 w/1 to 2 #20
	1 #10 w/1 to 5 #14	3 #12 w/1 #14 w/1 or 2 #18	4 #16 w/1 to 2 #18
	1 #10 w/1 or 4 #12	3 #12 w/1 #14 w/1 or 2 #16	4 #16 w/1 #22 w/ 1#20
	1 #10 w/1 #16 w/1 to 4 #18	3 #12 w/1 #14 w/ 1 #16	4 #16 w/1 #18 w/1 1#22
	1 #10 w/1 #14 w/1 to 4 #16	4 #12 w/1 or 2 #16	4 #16 w/1 #18 w/1 1#20
	1 #10 w/1 #14 w/1 to 4 #18	4 #12 w/1 #14	5 #16 w/1 #22
	1 #10 w/2 #14 w/1 to 3 #16	4 #12 w/1 #16 w/ 1#18	5 #16 w/1 #20
	1 #10 w/1 #12 w/1 to 4 #14	4 #12 w/1 #14 w/ 1#18	5 #16 w/1 #18
	1 #10 w/1 #12 w/1 to 4 #16	4 #12 w/1 #14 w/ 1#16	1 #18 w/1 to 5 #22
	1 #10 w/1 #12 w/1 to 4 #18	1 #14 w/1 to 5 #22	1 #18 w/1 to 5 #20
	1 #10 w/2 #12 w/1 to 3 #16	1 #14 w/1 to 5 #20	1 #20 w/1#22 w/ 1 to 3 #18
	1 #10 w/2 #12 w/1 to 3 #18	1 #14 w/1 to 5 #18	1 #20 w/2#22 w/ 1 to 3 #18
	1 #10 w/2 #12 w/1 to 2 #14	1 #14 w/1 to 5 #16	2 #20 w/1#22 w/ 1 to 3 #18
	1 #10 w/3 #12 w/1 #14	1 #14 w/1 #16 w/1 to 3 #18	2 #18 w/1 to 4 #22
	2 #10 w/1 to 4 #18	2 #14 w/1 #16 w/1 to 3 #18	2 #18 w/1 to 4 #20
	2 #10 w/1 to 4 #16	2 #14 w/1 to 4 #22	3 #18 w/1 to 3 #22
	2 #10 w/1 to 3 #14	2 #14 w/1 to 4 #20	3 #18 w/1 to 3 #20
	2 #10 w/1 to 3 #12	2 #14 w/1 to 4 #18	4 #18 w/1 or 2 #22
	2 #10 w/1 #16 w/1 to 3 #18	2 #14 w/1 to 4 #16	4 #18 w/1 or 2 #20
	2 #10 w/2 #14 w/1 to 2 #16	3 #14 w/1 to 3 #22	5 #18 w/1 #22
	2 #10 w/1 #12 w/1 to 3 #16	3 #14 w/1 to 3 #20	5 #18 w/1 #20
	2 #10 w/1 #12 w/1 or 2 #14	3 #14 w/1 to 3 #18	1 #20 w/2 to 5 #22
	2 #10 w/2 #12 w/1 or 2 #18	3 #14 w/1 to 3 #16	2 #20 w/1 to 4 #22
	2 #10 w/2 #12 w/1 or 2 #16	3 #14 w/1 #16 w/1 or 2 #18	3 #20 w/1 to 3 #22
	2 #10 w/2 #12 w/1 #14	4 #14 w/1 or 2 #22	4 #20 w/1 to 2 #22
	3 #10 w/1 to 3 #18	4 #14 w/1 or 2 #20	4 #20 w/1 to 2 #22
	3 #10 w/1 to 3 #16	4 #14 w/1 or 2 #18	