



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 Wire-Nut® Wire Connectors			
Model	300 Volt Maximum		600 Volt Maximum
71B®	1 #14	2 or 3 #18	
	1 #14 w/1 #20 or #22	2 #18 w/1 #20	
	1 or 2 #16	2 #18 w/1 or 2 #22	
	1 #16 w/1 #18	1 #20 w/1 to 4 #22	
	1 #16 w/1 or 2 #20	2 to 4 #20	
	1 #16 w/1 to 3 #22	2 #20 w/1 to 3 #22	
	1 #16 w/1 #20 w/1 #18 or #20	3 #20 w/1 or 2 #22	
	1 #18 str.	4 #20 w/1 #22	
	1 #18 w/1 to 3 #20	2 #22 str.	
	1 #18 w/1 to 4 #22	3 or 4 #22	
	1 or 2 #18 w/1 #20 w/1 #22	5 #22 sol	
72B®	1 #14 str.	2 #16 w/1 #20 w/1 #22	
	1 #14 w/1 #16	1 #18 str.	
	1 #14 w/1 or 2 #18	1 #18 w/1 to 4 #20 or #22	
	1 #14 w/1 to 3 #20	1 or 2 #18 w/1 #20 w/1 #22	
	1 #14 w/1 to 4 #22	1 #18 str. w/1 #20 str.	
	1 #16 str.	2 #18 w/1 to 3 #20 or #22	
	1 #16 w/1 to 3 #18	2 to 4 #18	
	1 #16 w/1 #18 w/1 #20	3 #18 w/1 or 2 #20 or #22	
	1 #16 w/1 to 4 #20 or #22	3 to 5 #20	
	1 #16 w/1 #22 w/1 #18 or #20	4 #18 w/1 #20 or #22	
	2 or 3 #16	3 #20 w/1 or 2 #22	
	2 #16 w/1 #18	4 #20 w/1 #22	
	2 #16 w/1 or 2 #20	2 #22	
	2 #16 w/1 to 3 #22		
73B®	1 #14 w/2 #16	5 #18	1 or 2 #14
	1 #14 w/1 #16 w/1 #18	1 #18 w/1 #20	1 #14 w/1 or 2 #18
	1 #14 w/3 #18	4 #18 w/1 #20 or #22	1 #14 w/1 to 3 #20
	1 #14 w/4 #20	3 #18 w/2 #20 or #22	1 #14 w/1 to 3 #22
	2 #14 w/1 #18	2 #18 w/3 #22	1 #14 w/1 #16 w/1 #18
	2 #14 w/1 to 3 #20 or #22	1 #18 str. w/5 #22 str.	1 #14 w/1 #16
	3 or 4 #16	3 to 5 #20	1 #16 str.
	1 #16 w/4 #18	4 #20 w/1 #22	1 #16 w/1 or 2 #18
	2 #16 w/2 or 3 #18	3 #20 w/1 or 2 #22	1 #16 w/1 to 3 #20 or #22
	2 #16 w/3 #20	2 #20 w/2 or 3 #22	2 #16 w/1 or 2 #20
	3 #16 w/1 #18	1 #20 w/4 #22	2 #16 w/1 to 3 #22
	3 #16 w/1 or 2 #20 or #22	5 #22	
	4 #16 w/1 #20 or #22		
			2 #16 w/1 #18
		1 or 2 #16 w/1 #20 w/1 #22	
		1 #16 w/1 #18 w/1 #22	
		2 #16	
		2 #18 w/1 or 2 #20 or #22	
		1 #18 w/2 to 4 #20	
		1 #18 w/3 to 4 #22	
		1 #18 str.	
		3 #18 w/1 #20 or #22	
		2 to 4 #18	
		1 or 2 #18 w/1 #20 w/1 #22	
74B®	1 #10 w/2 #12		1 #8
			1 #10
			1 to 3 #12
			1 to 4 #14
			2 to 5 #16
			3 to 6 #20
			1 #10 w/1 #12
			1 #10 w/1 or 2 #14, #16 or #18
			1 #10 w/3 or 4 #16 or #18
			1 #12 w/1 to 3 #14, #16 or #18
			1 #12 w/4 #16 or #18
			2 #12 w/1 or 2 #14
			2 #12 w/1 or 2 #16 or #18
			1 #14 w/1 to 4 #16, #18 or #20
			2 #14 w/1 to 3 #16, #18 or #20
			3 #14 w/1 or 2 #16
			3 #14 w/1 or 2 #18 or #20
			4 #14 w/1 #16 or #18
			1 #16 w/1 to 4 #18, #20 or #22
			2 #16 w/1 to 3 #18, #20 or #22
			3 #16 w/1 or 2 #18, #20 or #22
			4 #16 w/1 or 2 #18, #20 or #22
			1 #18 w/3 or 4 #20 or #22
			2 #18 w/3 #30 or #22
		1 #10 w/1 #12 w/1 #14 or #16	
		1 #10 w/1 #12 w/1 or 2 #18	
		1 #10 w/1 #14 w/2 #16	
		1 #10 w/1 #14 w/1 to 3 #18	
		1 #10 w/2 #14 w/1 #16	
		1 #10 w/1 #16 w/1 or 2 #18	
		1 #12 w/1 #14 w/3 #16	
		1 #12 w/2 #14 w/2 #16	
		2 #12 w/1 #14 w/1 #16 or #18	
		2 #12 w/1 #16 w/1 or 2 #18	
		1 #14 w/1 #16 w/1 to 3 #20	
		1 #14 w/1 #18 w/1 to 3 #20	
		2 #14 w/1 #16 w/1 or 2 #18 or #20	
		2 #14 w/1 #16 w/1 to 3 #22	
		3 #14 w/1 #16 w/1 #18, #20 or #22	
		3 #14 w/1 #18 w/1 #20 or #22	
		1 #16 w/1 #18 w/2 or 3 #20 or #22	
		1 #16 w/1 #18 w/3 or 4 #22	
		1 #16 w/2 #20 w/2 #22	
		2 #16 w/1 #18 w/1 or 2 #20 or #22	
		3 #16 w/1 #18 w/1 #20 or #22	
		1 #18 w/2 #20 w/3 #22	
		2 #18 w/1 #20 w/3 #22	
		2 to 5 #18	

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 to 3 #16
1 or 2 #8		3 #10 w/1 or 2 #14	4 #14 w/1 or 2 #16
1 to 4 #10		3 #10 w/1 #12	4 #14 w/1 #16 w/ 1#18
1 to 5 #12		3 #10 w/1 #16 w/1 or 2 #18	5#14 w/ 1#185#14 w/ 1#16
1 to 6 #14		3 #10 w/1 #14 w/1 or 2 #18	1 #16 w/1 to 5 #22
1 to 6 #16		3 #10 w/1 #14 w/1 #16	1 #16 w/1 to 5 #20
2 to 6 #18		3 #10 w/1 #12 w/1 #18	1 #16 w/1 to 5 #18
3 to 6 #20		3 #10 w/1 #12 w/1 #16	1 #16 w/1 #20 w/1 to 2 #22
4 to 6 #22		1 #12 w/1 to 5 #18	1 #16 w/2 #20 w/1 to 2 #22
1 #6 w/ 1 or 2 #12		1 #12 w/1 to 5 #16	2 #16 w/1 #20 w/1 to 2 #22
1 #6 w/ 1#10		1 #12 w/1 to 5 #14	2 #16 w/2 #20 w/1 to 2 #22
1 #6 w/ 2#14 w/ 1 or 2 #16		1 #12 w/1 #16 w/1 to 3 #18	1 #16 w/1 #18 w/1 to 3 #22
1 #6 w/ 1#12 w/ 1 or 2 #14		2 #12 w/1 #16 w/1 to 3 #18	1 #16 w/1 #18 w/1 to 3 #20
1 #6 w/ 2#12 w/ 1 #18		1 #12 w/1 #14 w/1 to 3 #18	2 #16 w/1 #18 w/1 to 3 #22
1 #6 w/ 1#10 w/ 1 #14		1 #12 w/1 #14 w/1 to 3 #16	2 #16 w/1 #18 w/1 to 3 #20
1 #8 w/ 1 to 5 #16		2 #12 w/1 #14 w/1 to 3 #16	2 #16 w/1 to 4 #22
1 #8 w/ 1 to 4 #14		2 #12 w/1 #14 w/1 to 3 #18	2 #16 w/1 to 4 #20
1 #8 w/ 1 to 3 #12		1 #12 w/2 #14 w/1 or 2 #16	2 #16 w/1 to 4 #18
1 #8 w/ 2#12 w/ 1 or 2#14		2 #12 w/2 #14 w/1 or 2 #16	3 #16 w/1 to 3 #22
1 #8 w/1 or 2 #10		2 #12 w/1 to 4 #18	3 #16 w/1 to 3 #20
1 #8 w/1 #10 w/ 1 or 2 #14		2 #12 w/1 to 4 #16	3 #16 w/1 to 3 #18
1 #8 w/1 #10 w/ 1 or 2 #12		2 #12 w/1 to 4 #14	3 #16 w/1 or 2#22 w/ 1#20
1 #8 w/2 #10 w/ 1#14		3 #12 w/1 to 3 #18	3 #16 w/1 #18 w/1 or 2#22
1 #10 w/1 to 5 #18		3 #12 w/1 to 3 #16	3 #16 w/1 #18 w/1 or 2#20
1 #10 w/1 to 5 #16		3 #12 w/1 to 3 #14	4 #16 w/1 to 2 #22
1 #10 w/1 to 5 #14		3 #12 w/1 #16 w/1 or 2 #18	4 #16 w/1 to 2 #20
1 #10 w/1 or 4 #12		3 #12 w/1 #14 w/1 or 2 #18	4 #16 w/1 to 2 #18
1 #10 w/1 #16 w/1 to 4 #18		3 #12 w/1 #14 w/1 or 2 #16	4 #16 w/1 #22 w/ 1#20
1 #10 w/1 #14 w/1 to 4 #16		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 #18		4 #12 w/1 or 2 #16	4 #16 w/1 #18 w/1 1#20
1 #10 w/2 #14 w/1 to 3 #16		4 #12 w/1 #14	5 #16 w/1 #22
1 #10 w/1 #12 w/1 to 4 #14		4 #12 w/1 #16 w/ 1#18	5 #16 w/1 #20
1 #10 w/1 #12 w/1 to 4 #16		4 #12 w/1 #14 w/ 1#18	5 #16 w/1 #18
1 #10 w/1 #12 w/1 to 4 #18		4 #12 w/1 #14 w/ 1#16	1 #18 w/1 to 5 #22
1 #10 w/2 #12 w/1 to 3 #16		1 #14 w/1 to 5 #22	1 #18 w/1 to 5 #20
1 #10 w/2 #12 w/1 to 3 #18		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 2 #14		1 #14 w/1 to 5 #18	1 #20 w/2#22 w/ 1 to 3 #18
1 #10 w/3 #12 w/1 #14		1 #14 w/1 to 5 #16	2 #20 w/1#22 w/ 1 to 3 #18
2 #10 w/1 to 4 #18		1 #14 w/1 #16 w/1 to 3 #18	2 #18 w/1 to 4 #22
2 #10 w/1 to 4 #16		2 #14 w/1 #16 w/1 to 3 #18	2 #18 w/1 to 4 #20
2 #10 w/1 to 3 #14		2 #14 w/1 to 4 #22	3 #18 w/1 to 3 #22
2 #10 w/1 to 3 #12		2 #14 w/1 to 4 #20	3 #18 w/1 to 3 #20
2 #10 w/1 #16 w/1 to 3 #18		2 #14 w/1 to 4 #18	4 #18 w/1 or 2 #22
2 #10 w/2 #14 w/1 to 2 #16		2 #14 w/1 to 4 #16	4 #18 w/1 or 2 #20
2 #10 w/1 #12 w/1 to 3 #16		3 #14 w/1 to 3 #22	5 #18 w/1 #22
2 #10 w/1 #12 w/1 or 2 #14		3 #14 w/1 to 3 #20	5 #18 w/1 #20
2 #10 w/2 #12 w/1 or 2 #18		3 #14 w/1 to 3 #18	1 #20 w/2 to 5 #22
2 #10 w/2 #12 w/1 or 2 #16		3 #14 w/1 to 3 #16	2 #20 w/1 to 4 #22
2 #10 w/2 #12 w/1 #14		3 #14 w/1 #16 w/1 or 2 #18	3 #20 w/1 to 3 #22
3 #10 w/1 to 3 #18		4 #14 w/1 or 2 #22	4 #20 w/1 to 2 #22
		4 #14 w/1 or 2 #20	4 #20 w/1 to 2 #22

UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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IDEAL Wing-Nut® Wire Connectors			
Model	600 Volt Maximum		
454®	1 or 2 #6	1 #6 w/1 #12 w/1 to 4 #14	1 #8 w/2 #10 w/1 to 3 #12
	2 or 3 #8	1 #6 w/2 #12 w/1 to 3 #14	1 #8 w/3 #10 w/1 or 2 #14
	1 #8 w/1 to 5 #14	1 #6 w/3 #12 w/1 or 2 #14	1 #8 w/3 #10 w/1 #12
	1 #8 w/1 to 5 #12	1 #6 w/4 #12 w/1 #14	2 #8 w/1 #12 w/1 to 3 #14
	1 #8 w/1 to 4 #10	1 #6 w/1 #10 w/1 to 4 #14	2 #8 w/2 #12 w/1 or 2 #14
	2 to 5 #10	1 #6 w/1 #10 w/1 to 3 #12	2 #8 w/3 #12 w/1 #14
	1 #10 w/3 to 5 #14	1 #6 w/2 #10 w/1 or 2 #14	2 #8 w/1 #10 w/1 to 3 #14
	3 to 6 #12	1 #6 w/2 #10 w/1 #12	2 #8 w/1 #10 w/1 or 2 #12
	1 #12 w/4 or 5 #14	1 #6 w/1 #8 w/1 to 3 #14	2 #8 w/2 #10 w/1 #14 sol
	2 #12 w/2 to 4 #14	1 #6 w/1 #8 w/1 or 2 #12	1 #10 w/1 #12 w/1 to 4 #14
	3 #12 w/1 to 3 #14	1 #6 w/1 #8 w/1 #10	1 #10 w/2 #12 w/1 to 3 #14
	4 #12 w/1 #14	2 #8 w/1 to 4 #14	1 #10 w/3 #12 w/1 or 2 #14
	5 or 6 #14	2 #8 w/1 to 3 #12	1 #10 w/4 #12 w/1 #14
	1 #6 w/1 to 4 #14	2 #8 w/1 or 2 #10	1 #10 w/2 to 4 #12
	1 #6 w/1 to 5 #12	3 #8 w/1 or 2 #14	2 #10 w/1 #12 w/1 to 3 #14
	1 #6 w/1 to 3 #10	1 #8 w/1 #12 w/1 to 4 #14	2 #10 w/2 #12 w/1 or 2 #14
	1 #6 w/1 or 2 #8	1 #8 w/2 #12 w/1 to 3 #14	2 #10 w/3 #12 w/1 #14
	2 #6 w/1 #14	1 #8 w/3 #12 w/1 or 2 #14	2 #10 w/1 to 4 #14 or #12
	2 #6 w/1 #12	1 #8 w/4 #12 w/1 #14	3 #10 w/1 #12 w/1 or 2 #14
		1 #8 w/1 #10 w/1 to 4 #14	3 #10 w/2 #12 w/1 #14
		1 #8 w/1 #10 w/1 to 4 #12	3 #10 w/1 to 3 #14 or #12
		1 #8 w/2 #10 w/1 to 3 #14	4 #10 w/1 #12 w/1 #14
			4 #10 w/1 #14 w/1 #12

IDEAL Greenie® Grounding Connectors		
Model	600 Volt Maximum	
92	1 #10 w/1 or 2 #12	3 #12 w/1 #14
	1 #10 w/1 to 3 #14	2 #12 w/1 to 3 #14
	1 #12 w/1 to 3 #14	2 to 4 #14
	2 to 4 #12	

IDEAL Twister® Wire Connectors			
Model	600 Volt Maximum		
341®	1 to 3 #10	2 #18 w/1 to 4 #16, #14	2 #16 w/1 #12 w/1 #10
	1 #10 w/1 #8	3 #18 w/1 to 3 #12	3 #16 w/1 #14 w/1 #12 or #10
	1 to 3 #12	2 #18 w/1 or 2 #10	4 #16 w/1 #12 w/1 #10
	4 #12 sol	3 #18 w/1 to 3 #16, #14 or #12	1 #18 w/1 to 4 #16, #14 or #12
	1 #12 w/1 or 2 #10	3 #18 w/1 or 2 #10	5 #16 sol w/1 #10 sol
	1 #12 w/1 #8	4 #18 w/1 or 2 #16, #14 or #12	1 #16 w/1 or 2 #14 w/1 #12 or #10
	2 #12 w/1 #10	4 #18 w/1 #10	2 to 6 #18
	1 to 5 #14	5 #18 w/1 #16 or #14	1 #18 w/1 or 2 #10
	1 #14 sol w/1 to 3 #12	2 to 6 #20	
	1 #14 w/1 or 2 #10	1 #20 w/1 to 4 #18, #16 or #14	
	2 #14 w/1 or 2 #12	2 #20 w/1 to 3 #18, #16 or #14	
	2 #14 w/1 or 2 #10	3 #20 w/1 or 2 #18, #16 or #14	
	2 #14 w/1 #8	4 #20 w/1 or 2 #18, #16 or #14	
	3 #14 w/1 #12 or #10	3 to 6 #22	
	3 #14 w/2 #12	1 #22 sol w/1 #20 sol	
	4 #14 w/1 #12 or #10	1 #22 w/2 to 5 #20	
	1 to 6 #16	1 #22 w/1 to 5 #18 or #16	
	1 #16 w/1 to 4 #14 or #12	2 #22 w/1 to 4 #20, #18 or #16	
	1 #16 w/1 or 2 #10	3 #22 w/1 to 3 #20, #18 or #16	
	2 #16 w/1 to 4 #14	4 #22 w/1 or 2 #20, #18 or #16	
	2 #16 w/1 to 3 #12	1 #22 w/1 #18 w/1 #16	
	2 #16 w/1 or 2 #10	1 #22 w/1 #20 w/1 or 2 #16	
	3 #16 w/1 to 3 #14	1 #14 w/1 or 2 #12 w/1 #10	
	3 #16 w/1 or 2 #12 or #10	2 #14 w/1 #12 w/1 #10	
	4 #16 w/1 or 2 #14 or #12	1 #16 w/1 #12 w/1 #10	
	4 #16 w/1 #10	2 #16 w/1 #14 w/1 or 2 #12	
	5 #16 w/1 #14	2 #16 w/2 #14 w/1 #12	

UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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IDEAL Twister® Wire Connectors		
Model	600 Volt Maximum	
342®	1 or 2 #8	1 #16 w/1 to 3 #10
	1 #8 w/1 #6	2 #16 w/1 to 4 #14 or #12
	2 to 4 #10	2 #16 w/1 or 2 #10
	1 #10 w/1 or 2 #8	3 #16 w/1 to 3 #14
	2 #10 w/1 #8	3 #16 w/1 or 2 #12 or #10
	2 to 6 #12	4 #16 w/1 or 2 #14 or #12
	1 #12 w/1 or 2 #10	4 #16 w/1 #10
	1 #12 w/3 #10	3 #18 w/3 #16 or #14
	1 #12 w/1 or 2 #8	3 #18 w/1 or 2 #12 or #10
	1 or 2 #12 w/1 #6	4 #18 w/1 or 2 #16, #14 or #12
	2 #12 w/1 or 2 #10	5 #18 w/1 #16, #14, #12 or #10
	2 #12 w/1 #8 or #6	1 #12 w/1 #10 w/1 #8
	2 #12 w/2 #8	1 #14 w/1 #12 w/1 or 2 #10
	3 #12 w/1 #10 or #8	1 #14 w/1 #12 w/1 #8 or #6
	3 #12 w/2 #10	1 #14 w/2 #12 w/1 or 2 #10
	4 #12 w/1 #10	1 #14 w/2 #12 w/1 #8
	3 to 6 #14	1 #14 w/3 #12 w/1 #10
	1 #14 w/1 to 4 #12	1 #14 w/1 #10 w/1 #8
	1 #14 w/1 to 3 #10	2 #14 w/1 #12 w/1 or 2 #10
	1 #14 w/1 or 2 #8	2 #14 w/1 #12 w/1 #8
	1 or 2 #14 w/1 #6	2 #14 w/2 #12 w/1 #10
	2 #14 w/1 to 3 #12	2 #14 w/1 #10 w/1 #8
	2 #14 w/1 to 3 #10	3 #14 w/1 #12 w/1 #8
	2 #14 w/1 #8	3 #14 w/1 #10 w/1 #8
	3 #14 w/1 to 3 #12 or #10	1 #16 w/1 #14 w/1 or 2 #12
	3 or 4 #14 w/1 #8	2 #16 w/1 #14 w/1 or 2 #12
	3 #14 w/1 #6	2 #16 w/2 #14 w/1 #12 or #10
4 #14 w/1 or 2 #12 or #10	2 #16 w/1 #12 w/1 #10	
4 #14 w/1 #6	3 #16 w/1 #14 w/1 or 2 #12	
5 #14 w/1 #12 or #10	3 #16 w/1 #14 w/1 #10	
5 #14 w/1 #8	4 #16 w/1 #14 w/1 #12	
1 #16 w/2 to 5 #14 or #12		

IDEAL Twister® DB Plus™ Wire Connectors			
Model	600 Volt Maximum		
60	1 to 2 #10	1 #16 w/1 to 3 #12 or #14	4 #16 w/1 #10
	1 to 3 #12	1 #16 w/1 #10 or #12 and 1 or 2 #14	5 #16 w/1 #14
	1 #12 w/1 #8	2 #16 w/1 or 2 #12	5 #16 sol w/1 #10 sol
	1 #12 w/1 #10	2 #16 w/1 #12 w/1 #14	1 #18 w/1 to 3 #12, #14 or #16
	2 #12 w/1 #10	2 #16 w/1 or 2 #14	2 #18 w/1 or 2 #10
	1 to 4 #14	2 #16 w/1 #10	2 #18 w/1 to 2 #12, #14 or #16
	1 #14 sol w/1 to 2 #12	2 #16 #w/1 to 4 #14	3 #18 w/1 or 2 #10
	1 #14 w/1 or 2 #10	3 #16 w/1 to 3 #14	3 #18 w/1 to 2 #14 or #16
	2 #14 w/1 #10	3 #16 w/1 or 2 #10 or #12	3 #18 w/1 #10
	2 #14 w/1 #12	3 #16 w/1 #14 w/1 #10 or #12	1 #20 w/1 to 4 #16 or #18
	3 #14 w/1 #12	4 #16 w/1 or 2 #12 or #14	2 #20 w/1 to 3 #14, #16 or #18
	1 #16 w/2 #10	4 #16 w/1 #10 and 1 #12	

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IDEAL WeatherProof™ and Underground™ Wire Connectors	
Model	600 Volt Maximum
61	1 or 2 #14 1 #16 Str 2 #16 1 to 4 #18 Str 2 to 4 #18 Sol 2 to 4 #20 1 #14 with 1 #16 1 #14 w/ 1 #16 w/ 1 #18

IDEAL WeatherProof™ and Underground™ Wire Connectors																	
Model	600 Volt Maximum																
62	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">2 to 6 #18</td> <td style="width: 50%; border: none;">1 #18 with 1 or 2 #10</td> </tr> <tr> <td style="border: none;">1 to 6 #16</td> <td style="border: none;">2 #18 with 1 to 4 #16 or #14</td> </tr> <tr> <td style="border: none;">1 to 5 #14</td> <td style="border: none;">1 #14 with 1 to 3 #12</td> </tr> <tr> <td style="border: none;">1 to 3 #12</td> <td style="border: none;">1 #14 with 1 or 2 #10</td> </tr> <tr> <td style="border: none;">1 to 4 #12 solid</td> <td style="border: none;">2 #14 with 1 or 2 #12 or #10</td> </tr> <tr> <td style="border: none;">1 to 3 #10</td> <td style="border: none;">1 #12 with 1 or 2 #10</td> </tr> <tr> <td style="border: none;">1 #18 with 1 to 4 #16, #14, or #12</td> <td style="border: none;">1 #12 with 1 #8</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">1 #10 with 1 #8</td> </tr> </table>	2 to 6 #18	1 #18 with 1 or 2 #10	1 to 6 #16	2 #18 with 1 to 4 #16 or #14	1 to 5 #14	1 #14 with 1 to 3 #12	1 to 3 #12	1 #14 with 1 or 2 #10	1 to 4 #12 solid	2 #14 with 1 or 2 #12 or #10	1 to 3 #10	1 #12 with 1 or 2 #10	1 #18 with 1 to 4 #16, #14, or #12	1 #12 with 1 #8		1 #10 with 1 #8
2 to 6 #18	1 #18 with 1 or 2 #10																
1 to 6 #16	2 #18 with 1 to 4 #16 or #14																
1 to 5 #14	1 #14 with 1 to 3 #12																
1 to 3 #12	1 #14 with 1 or 2 #10																
1 to 4 #12 solid	2 #14 with 1 or 2 #12 or #10																
1 to 3 #10	1 #12 with 1 or 2 #10																
1 #18 with 1 to 4 #16, #14, or #12	1 #12 with 1 #8																
	1 #10 with 1 #8																

IDEAL WeatherProof™ and Underground™ Wire Connectors																	
Model	600 Volt Maximum																
63	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">3 to 6 #14</td> <td style="width: 50%; border: none;">1 #14 with 1 to 3 #10</td> </tr> <tr> <td style="border: none;">2 to 6 #12</td> <td style="border: none;">1 #14 with 1 or 2 #8</td> </tr> <tr> <td style="border: none;">2 to 5 #10</td> <td style="border: none;">1 #12 with 1 or 2 #10</td> </tr> <tr> <td style="border: none;">1 or 2 #8</td> <td style="border: none;">1 #12 with 1 or 2 #8</td> </tr> <tr> <td style="border: none;">1 #16 with 2 to 5 #14 or #12</td> <td style="border: none;">1 or 2 #12 with 1 #6</td> </tr> <tr> <td style="border: none;">1 #16 with 1 to 3 #10</td> <td style="border: none;">3 #12 with 1 #10 or #8</td> </tr> <tr> <td style="border: none;">1 #14 with 3 or 4 #12</td> <td style="border: none;">1 #10 with 1 or 2 #8</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">1 #8 with 1 #6</td> </tr> </table>	3 to 6 #14	1 #14 with 1 to 3 #10	2 to 6 #12	1 #14 with 1 or 2 #8	2 to 5 #10	1 #12 with 1 or 2 #10	1 or 2 #8	1 #12 with 1 or 2 #8	1 #16 with 2 to 5 #14 or #12	1 or 2 #12 with 1 #6	1 #16 with 1 to 3 #10	3 #12 with 1 #10 or #8	1 #14 with 3 or 4 #12	1 #10 with 1 or 2 #8		1 #8 with 1 #6
3 to 6 #14	1 #14 with 1 to 3 #10																
2 to 6 #12	1 #14 with 1 or 2 #8																
2 to 5 #10	1 #12 with 1 or 2 #10																
1 or 2 #8	1 #12 with 1 or 2 #8																
1 #16 with 2 to 5 #14 or #12	1 or 2 #12 with 1 #6																
1 #16 with 1 to 3 #10	3 #12 with 1 #10 or #8																
1 #14 with 3 or 4 #12	1 #10 with 1 or 2 #8																
	1 #8 with 1 #6																

IDEAL WeatherProof™ and Underground™ Wire Connectors															
Model	600 Volt Maximum														
64	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">3 or 4 #22 solid</td> <td style="width: 50%; border: none;">1 #18 with 1 to 4 #16 or #14 or #12</td> </tr> <tr> <td style="border: none;">3 or 4 #20 solid</td> <td style="border: none;">1 #16 with 1 to 4 #14 or #12</td> </tr> <tr> <td style="border: none;">2 to 4 #18</td> <td style="border: none;">1 #14 with 1 or 2 #12 or #10</td> </tr> <tr> <td style="border: none;">2 to 4 #16</td> <td style="border: none;">2 #14 with 1 #12 or #10</td> </tr> <tr> <td style="border: none;">2 to 4 #14</td> <td style="border: none;">2 #12 with 1 #10</td> </tr> <tr> <td style="border: none;">1 to 3 #12</td> <td style="border: none;">1 #8 with 1 #14 or #12 or #10</td> </tr> <tr> <td style="border: none;">1 to 3 #10</td> <td style="border: none;"></td> </tr> </table>	3 or 4 #22 solid	1 #18 with 1 to 4 #16 or #14 or #12	3 or 4 #20 solid	1 #16 with 1 to 4 #14 or #12	2 to 4 #18	1 #14 with 1 or 2 #12 or #10	2 to 4 #16	2 #14 with 1 #12 or #10	2 to 4 #14	2 #12 with 1 #10	1 to 3 #12	1 #8 with 1 #14 or #12 or #10	1 to 3 #10	
3 or 4 #22 solid	1 #18 with 1 to 4 #16 or #14 or #12														
3 or 4 #20 solid	1 #16 with 1 to 4 #14 or #12														
2 to 4 #18	1 #14 with 1 or 2 #12 or #10														
2 to 4 #16	2 #14 with 1 #12 or #10														
2 to 4 #14	2 #12 with 1 #10														
1 to 3 #12	1 #8 with 1 #14 or #12 or #10														
1 to 3 #10															

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 Twister® Al/Cu Wire Connectors			
Model	600 Volt Maximum		
65	4 to 6 #22	3 #16 w/1 to 3 #14	The following are copper to aluminum combinations. Not for use on aluminum to aluminum conductors. 1 #10 AL sol. w/1 or 2 #10 CU sol. 1 #10 AL w/1 or 2 #12 CU 1 #10 AL w/1 or 2 #14 CU 1 #10 AL w/1 or 2 #16 CU 2 #10 AL sol. w/1 #12 CU 2 #10 AL sol. w/1 #14 CU 2 #12 AL sol. w/1 #10 CU sol. 2 #12 AL sol. w/1 #10 CU str. 1 #12 AL sol. w/1 or 2 #10 CU sol or str 1 #12 AL str. w/1 or 2 #10 CU sol. 1 #12 AL w/1 or 2 #12 CU 2 #12 AL sol. w/1 #12 CU 1 #12 AL w/1 or 2 #14 CU 2 #12 AL sol. w/1 #14 CU 1 #10 AL w/1 or 2 #18 CU 2 #10 AL sol. w/1 #16 CU 2 #10 AL sol. w/1 #18 CU 1 #12 AL w/1 or 2 #16 CU 1 #12 AL w/1 or 2 #18 CU 2 #12 AL sol. w/1 #16 CU 2 #12 AL sol. w/1 #18 CU 2 #16 w/1 or 2 #10 1 #14 w/1 or 2 #12 w/1 #10 2 #14 w/1 #10
	3 to 6 #20	3 #16 w/1 or 2 #12, #10	
	2 to 6 #18	4 #16 w/1 or 2 #14, #12	
	1 to 6 #16	4 #16 w/1 #10	
	1 to 5 #14	5 #16 w/1 #14	
	1 to 3 #12	5 #16 sol w/1 #10 sol	
	4 #12 sol	1 #14 sol w/1 to 3 #12	
	1 to 3 #10	1 #14 w/1 or 2 #10	
	2 #22 w/3 to 5 #20	2 #14 w/1 or 2 #12	
	1 #22 w/1 to 5 #18, #16	2 #14 w/1 or 2 #10	
	2 #22 w/1 to 4 #20, #18, #16	2 #14 w/1 #8	
	3 #22 w/1 to 3 #20, #18, #16	3 #14 w/1 #12 or #10	
	4 #22 w/1 or 2 #20, #18, #16	3 #14 w/2 #12	
	1 #20 w/1 to 4 #18, #16, #14	4 #14 w/1 #12 or #10	
	2 #20 w/1 to 3 #18, #16, #14	1 #12 w/1 or 2 #10	
	3 #20 w/1 or 2 #18, #16, #14	1 #12 w/1 #8	
	4 #20 w/1 or 2 #18, #16, #14	2 #12 w/1 #10	
	1 #18 w/1 to 4 #16, #14, #12	1 #10 w/1 #8	
	1 #18 w/1 or 2 #10	1 #22 w/1 #18 w/1 #16	
	2 #18 w/1 to 4 #16, #14, #12	1 #22 w/1 #20 w/1 or 2 #16	
	2 #18 w/1 or 2 #10	1 #16 w/1 or 2 #14 w/1 #12 or #10	
	3 #18 w/1 or 2 #10	1 #16 w/1 #12 w/1 #10	
	4 #18 w/1 or 2 #16, #14, #12	2 #16 w/1 #14 #w/1 or 2 #12	
	4 #18 w/1 #10	2 #16 w/2 #14 w/1 #12	
	5 #18 w/1 #16 or #14	2 #16 w/1 #12 w/1 #10	
	1 #16 w/1 to 4 #14, #12	3 #16 w/1 #14 w/1 #12 or #10	
	1 #16 w/1 or 2 #10	4 #16 w/1 #12 w/1 #10	
	2 #16 w/1 to 4 #14		

IDEAL Set Screw Wire Connectors			
Model	300 Volt Maximum		
10	1 #10	1 #14 str. w/1 #18 or #20 w/1 or 2 #22	1 #18 w/1 #20 w/1 or 2 #22
	1 #10 str. w/1 #20	2 #14 w/1 to 3 #20	2 #18 w/1 to 4 #20 or #22
	1 #10 str. w/1 or 2 #22	1 #14 w/3 to 5 #20	2 #18 w/1 #20 w/1 or 2 #22
	1 #12	1 #14 str. w/1 or 2 #20	3 #18 w/1 to 4 #22
	1 #12 str. w/1 #14	1 #14 str. w/2 to 5 #22	3 #18 w/1 to 3 #20
	1 #12 str. w/1 #16 w/1 #18	2 #14 w/3 or 4 #22	3 #18 w/1 #20 w/1 or 2 #22
	1 #12 str. w/1 or 2 #18 or #20	2 #14 str. w/1 or 2 #22	4 #18 w/1 or 2 #20 or #22
	1 #12 str. w/1 #18 or #20 w/1 or 2 #20	2 to 4 #16	4 #18 w/1 #20 w/1 or 2 #22
	1 #12 w/3 or 4 #20 or #22	1 #16 w/1 to 5 #20 or #22	5 #18 w/1 #20 w/1 or 2 #22
	1 or 2 #14	1 #16 w/1 to 4 #18	2 to 6 #20
	2 #14 w/1 #16	1 #16 w/1 #20 w/1 or 2 #22	1 #20 w/1 to 5 #22
	1 #14 w/1 or 2 #16	1 #16 w/1 #18 w/1 or 2 #22	2 #20 w/1 to 4 #22
	2 #14 str. w/1 #16 w/1 #20 or #22	2 #16 w/1 to 4 #20 or #22	3 #20 w/1 to 3 #22
	1 #14 str. w/1 #16 w/1 #18, #20 or #22	2 #16 w/1 to 3 #18	4 #20 w/1 or 2 #22
	2 #14 w/1 or 2 #18	3 #16 w/1 #18 or #20 w/1 or 2 #22	5 #20 w/1 #22
	1 #14 w/1 to 3 #18	3 #16 w/1 to 3 #20 or #22	4 to 6 #22
	2 #14 str. w/1 #18 or #20 w/1 or 2 #22	4 #16 w/1 #18, #20 or #22	3 #16 w/1 or 2 #18
		4 #16 w/1 #20 w/1 #22	
		2 to 6 #18	
		1 #18 w/1 to 5 #20 or #22	

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 Set Screw Wire Connectors					
Model	600 Volt Maximum				
11	1 #10	3 #14 w/5 #22	1 #16 w/3 to 5 #20		
	1 #10 str. w/1 or 2 #16, #18 or #20	3 #14 w/3 #20	1 #16 w/2 to 5 #18	2 #18 w/2 to 5 #22	
	1 #10 w/3 or 4 #18	1 #14 w/2 to 5 #22	2 #16 w/1 to 5 #22	2 #18 w/3 or 4 #20	
	1 #10 w/3 #16	1 #14 w/1 to 5 #18 or #20	2 #16 w/2 to 5 #20	3 #18 w/1 to 5 #22	
	2 #12	1 #14 w/1 to 4 #16	2 #16 w/1 to 4 #18	3 #18 w/1 to 3 #20	
	1 #12 w/4 #18	2 #14 w/1 to 5 #20 or #22	3 #16 w/1 to 5 #22	4 #18 w/1 to 5 #22	
	1 #12 w/2 #14	2 #14 w/1 to 4 #18	3 #16 w/1 to 4 #20	4 #18 w/1 or 2 #20	
	1 #12 w/1 #16	2 #14 w/1 to 3 #16	3 #16 w/1 to 3 #18	5 #18 w/1 to 5 #22	
	1 #12 w/3 to 5 #20	3 #14 w/1 or 3 #22	4 #16 w/1 to 5 #22	5 #18 w/1 #20	
	1 #12 w/1 to 3 #16 or #18	3 #14 w/1 or 2 #18 or #20	4 #16 w/1 or 2 #18 or #20	1 #20 w/4 or 5 #22	
	1 #12 w/1 #14	3 #14 w/1 #16	5 #16 w/1 to 4 #22	2 #20 w/3 to 5 #22	
	2 #12 w/2 or 3 #20	4 or 5 #16	5 #16 w/1 #18 or 1 #20	3 #20 w/3 to 5 #22	
	2 #12 w/1 or 2 #18	1 #16 w/4 or 5 #22	6 or 7 #18	4 #20 w/3 to 5 #22	
	2 or 3 #14		1 #18 w/4 or 5 #20 or #22	5 #20 w/1 to 5 #22	
	22	1 or 2 #10	2 #10 w/1 #12	3 #12 w/1 or 2 #16	
		1 #10 str. w/3 to 5 #20	2 to 4 #12	3 #12 w/1 #14	5 #14 w/1 #16
		1 #10 w/3 to 5 #18	1 #12 w/3 to 5 #18	2 to 6 #14	2 #16 or #18
1 #10 w/2 to 5 #16		1 #12 w/2 to 5 #16	1 #14 w/3 to 5 #18	4 to 6 #16	
1 #10 w/1 to 4 #14		1 #12 w/1 to 5 #14	1 #14 w/2 to 5 #16	1 #16 w/3 to 5 #18	
1 #10 w/1 or 2 #12		2 #12 w/1 to 4 #18	2 #14 w/2 to 4 #20	2 #16 w/2 to 4 #18	
2 #10 w/2 to 4 #20		2 #12 w/1 to 4 #16	2 #14 w/1 to 4 #16	3 #16 w/1 to 3 #18	
2 #10 w/1 to 3 #18		2 #12 w/1 to 4 #14	3 #14 w/2 or 3 #20	4 #16 w/1 or 2 #18	
2 #10 w/1 or 2 #16		3 #12 w/1 to 3 #18	3 #14 w/1 to 3 #16	5 #16 w/1 #18	
2 #10 w/1 #14			4 #14 w/1 or 2 #16	2 #18	

IDEAL Crimp Wire Connectors				
Model	600 Volt Maximum			
48 Crimp	1 or 3 #16	1 #16 w/1 to 5 #22	1 #18 w/1 to 5 #20 or #22	
	1 to 5 #18	1 #16 w/1 to 4 #20	2 #18 w/1 to 3 #20	2 #20 w/1 to 4 #22
	1 to 6 #20	1 #16 w/1 to 3 #18	3 #18 w/1 to 3 #22	3 #20 w/1 to 3 #22
	1 to 6 #22	1 #16 w/2 #22	3 #18 w/1 or 2 #20	4 #20 w/1 or 2 #22
	1 #14 w/1 to 3 #22	1 #16 w/1 #18 w/1 #22	1 #18 w/1 to 4 #20 w/1 #22	5 #20 w/1 #22
	1 #14 w/1 to 3 #20	1 #16 w/2 #18 w/1 #20	1 #18 w/1 #20 w/2 to 4 #22	1 #20 w/1 to 4 #22
	1 #14 w/1 or 2 #18	1 #16 w/2 #18 w/1 or 2 #22	1 #18 w/2 #20 w/2 or 3 #22	
	1 #14 w/1 #16	1 #16 w/1 #18 w/1 #20 w/1 #22	1 #18 w/3 #20 w/2 #22	
	1 #14 w/1 #18 w/1 to 3 #22	1 #16 w/1 #18 w/1 or 2 #20 w/1 #22	2 #18 w/1 to 2 #20 w/1 #22	
	1 #14 w/1 #18 w/1 or 2 #20	2 #16 w/1 to 3 #22	2 #18 w/1 #20 w/1 to 3 #22	
	1 #14 w/1 #18 w/1 #20 w/1 #22	2 #16 w/1 to 2 #20	3 #18 w/1 #20 w/1 #22	
		2 #16 w/1 #18 w/1 #22		
		2 #16 w/1 #20 w/1 #22		
		2 #16 w/1 #18		
	49 Crimp	2 #14	1 #14 w/1 to 3 #18	1 #16 w/1 #18 w/1 #20
1 or 4 #16		1 #14 w/1 or 3 #16	2 #16 w/1 or 2 #18	1 #18 w/2 to 4 #20
1 to 6 #18		1 #14 w/2 or 3 #20	2 #16 w/2 or 3 #20	1 or 2 #18 w/1 #20
1 to 6 #20		1 #14 w/1 #17 w/1 #20	3 #16 w/1 #18 w/1 #20	2 #18 w/1 to 4 #20
1 #12 str. w/1 or 2 #18		1 #16 w/1 to 4 #18	1 #17 w/1 #18 w/1 #20 all str.	2 #18 w/1 #22
1 #12 str. w/1 #16		1 #16 w/1 to 4 #20	1 #17 w/1 #18 w/1 #20 w/1 #22 all str.	3 #18 w/1 #22
NC-8 Stranded Wire Only	2 #10	1 #10 w/1, 2 or 4 #16 (no 3 #16's)	2 #12 w/1 to 3 #16	1 #16 w/5 to 11 #18
	2 or 3 #12		2 #12 w/2 #14	2 #16 w/4 to 9 #18
	3 to 5 #14	1 #10 w/1 to 6 #18	1 #14 w/4 to 10 #18	3 #16 w/2 to 7 #18
	4 to 7 #16	1 #12 w/3 to 8 #18	1 #14 w/3 to 6 #16	4 #16 w/1 to 6 #18
	7 to 12 #18	1 #12 w/2 to 5 #16	2 #14 w/2 to 7 #18	5 #16 w/1 to 4 #18
	1 #8 w/1 #14, #16 or #18	1 #12 w/1 to 4 #14	2 #14 w/1 to 4 #16	6 #16 w/1 #18
	1 #8 w/2 #18	2 #12 w/1 to 4 #14	3 #14 w/1 to 5 #18	
	1 #10 w/1 #12		3 #14 w/1 to 3 #16	
	1 #10 w/2 #14		4 #14 w/1 or 2 #18	

UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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IDEAL Crimp Connectors				
Model	600 Volt Maximum			
410	2 #14 str.	1 #10 w/1 to 4 #14	4 #16 w/1 to 5 #18	2 #12 w/1 to 3 #18 w/3 #16
	5 to 10 #18	1 #10 w/1 #12	5 #16 w/1 to 4 #18	2 #12 w/1 to 4 #18 w/2 #16
	3 to 7 #16	1 #10 w/2 #12	6 #16 w/1 or 2 #18	2 #12 w/1 to 5 #18 w/1 #16
	1 #14 sol w/1 #14 str.	1 #10 str. or sol w/1 or 2 or 4 to 7 #18	7 #16 w/1 #18	3 #12 w/1 or 2 #18 w/1 #16
	3 to 6 #14	(no combinations with 3 #18)	1 #10 w/1 #18 w/5 #16	1 #14 w/1 #18 w/6 #16
	2 to 4 #12	1 #10 str. or sol w/1 to 6 #16 str.	1 #10 w/1 to 3 #18 w/4 #16	1 #14 w/1 or 2 #18 w/5 #16
	2 #10 str.	1 #10 str. w/1 to 6 #16 sol	1 #10 w/1 to 4 #18 w/3 #16	1 #14 w/1 to 4 #18 w/4 #16
	1 #10 sol w/1 #10 str.	1 #12 w/1 to 9 #18 or 1 to 7 #16	1 #10 w/1 to 6 #18 w/2 #16	1 #14 w/1 to 5 #18 w/3 #16
	1 #14 w/1 to 3 #12	2 #12 w/1 to 6 #18 or 1 to 4 #16	1 #10 w/1 to 8 #18 w/1 #16	1 #14 w/1 to 7 #18 w/2 #16
	1 #14 w/1 or 2 #12 w/1 #10	3 #12 w/1 to 3 #18 or #1 or 2 #16	2 #10 w/1 or 2 #16	1 #14 w/1 to 8 #18 w/1 #16
	2 #14 w/1 or 2 #12	1 #14 w/1 to 9 #18	2 #10 w/1 or 2 #18 w/1 #16	2 #14 w/1 #18 w/4 #16
	2 #14 w/1 #10 w/1 #12	1 #14 w/1 to 7 #16	2 #10 w/1 to 4 #18	2 #14 w/3 #18 w/3 #16
	3 #14 w/1 or 2 #12	2 #14 w/1 to 8 #18 or 1 to 5 #16	1 #12 w/1 or 2 #18 w/6 #16	2 #14 w/5 #18 w/2 #16
	3 #14 w/1 #10	3 #14 w/1 to 5 #18	1 #12 w/1 to 3 #18 w/5 #16	2 #14 w/7 #18 w/1 #16
	1 #12 w/1 to 4 #14	3 #14 w/1 to 4 #16	1 #12 w/1 to 4 #18 w/4 #16	3 #14 w/1 or 2 #18 w/3 #16
	2 #12 w/1 to 3 #14	4 #14 w/1 to 3 #18 or 1 or 2 #16	1 #12 w/1 to 5 #18 w/3 #16	3 #14 w/1 to 4 #18 w/2 #16
	2 #12 w/1 #10	1 #16 w/3 to 7 #18	1 #12 w/1 to 6 #18 w/2 #16	3 #14 w/1 to 5 #18 w/1 #16
	2 #10 w/1 or 2 #14	2 #16 w/2 to 8 #18	1 #12 w/1 to 8 #18 w/1 #16	4 #14 w/1 or 2 #18 w/1 #16
	2 #10 w/1 #12	3 #16 w/1 to 7 #18	2 #12 w/1 #18 w/4 #16	

IDEAL Crimp Connectors				
Model	600 Volt Maximum			
411	2 #8	3 #10 w/1 #12	1 #10 w/3 or 4 #14	3 #12 w/1 or 2 #18
	2 #8 w/1 #12	3 #10 w/1 or 2 #14	1 #10 w/4 #16	2 #12 w/2 or 3 #14
	2 #8 w/1 or 2 #14	3 #10 w/1 or 2 #16	3 to 5 #12	2 #12 w/3 #16
	1 #8 w/1 or 2 #10	3 #10 w/1 or 2 #18	4 #12 w/1 #14	1 #12 w/4 #14
	1 #8 w/1 to 3 #12	2 #10 w/1 to 3 #12	4 #12 w/1 #16	5 #14
	1 #8 w/1 to 4 #14	2 #10 w/1 to 3 #14	4 #12 w/1 #18	
	2 or 3 #10	2 #10 w/1 to 3 #16	3 #12 w/1 or 2 #14	
	4 #10 sol	2 #10 w/1 to 3 #18	3 #12 w/1 or 2 #16	
		1 #10 w/2 to 4 #12		
	412	1 #4 w/1 to 3 #14	1 #10 w/1 to 6 #16	2 #12 w/1 to 5 #16
1 #4 w/1 or 2 #12		1 #10 w/1 to 5 #14	2 #12 w/1 to 5 #16	4 #14 w/1 to 3 #16
1 #4 w/1 #10		1 #10 w/1 to 5 #12	2 #12 w/1 to 5 #14	5 #14 w/1 or 2 #18
1 #4 w/1 #8		2 #10 w/1 to 5 #18	3 #12 w/1 to 3 #18	5 #14 w/1 or 2 #16
1 #6 w/1 to 6 #14		2 #10 w/1 to 5 #16	3 #12 w/1 to 3 #16	6 #14 w/1 #18
1 #6 w/1 to 5 #12		2 #10 w/1 to 5 #14	3 #12 w/1 to 4 #14	6 #14 w/1 #16
1 #6 w/1 to 3 #10		2 #10 w/1 to 5 #12	4 #12 w/1 to 3 #18	1 #16 w/4 to 6 #18
1 #6 w/1 or 2 #8		3 #10 w/1 to 4 #18	4 #12 w/1 to 3 #16	2 #16 w/2 to 5 #18
2 #6 w/1 #14		3 #10 w/1 to 4 #16	4 #12 w/1 to 3 #14	3 #16 w/1 to 4 #18
2 #6 w/1 #12		3 #10 w/1 to 4 #14	5 #12 w/1 or 2 #18	4 #16 w/1 to 3 #18
1 #8 w/1 to 5 #14		3 #10 w/1 to 3 #12	5 #12 w/1 or 2 #16	5 #16 w/1 or 2 #18
1 #8 w/1 to 5 #12		4 #10 w/1 to 3 #18	5 #12 w/1 or 2 #14	6 #16 w/1 #18
1 #8 w/1 to 3 #10		4 #10 w/1 to 3 #16	1 #14 w/2 to 6 #18	2 #6
2 #8 w/1 to 5 #14		4 #10 w/1 to 3 #14	1 #14 w/1 to 6 #16	2 or 3 #8
2 #8 w/1 to 3 #12		4 #10 w/1 or 2 #12	2 #14 w/1 to 5 #18	2 to 5 #10
2 #8 w/1 or 2 #10		1 #12 w/1 to 6 #18	2 #14 w/1 to 5 #16	2 to 6 #12
1 #10 w/1 to 6 #18		1 #12 w/1 to 6 #16	3 #14 w/2 to 4 #18	2 to 7 #14
		1 #12 w/1 to 6 #14	3 #14 w/1 to 3 #16	3 to 7 #16
				5 to 7 #18

UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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Buchanan Wire Connectors				
Model	600 Volt Maximum			
B1	#22 4 to 6		#14 w/#16 2 to 4*	1 #10 w/1 #12
	#20 3 to 6	#18 w/#20 3 to 6*	#12 w/#22 2 to 3*	1 #10 w/1 to 2 #14
	#18 2 to 6	#16 w/#22 2 to 6*	#12 w/#20 2 to 3*	1 #10 w/1 to 2 #16
	#16 2 to 5	#16 w/#20 2 to 6*	#12 w/#18 2 to 3*	1 #10 w/1 to 3 #18
	#14 2 to 4	#16 w/#18 2 to 5*	#12 w/#16 2 to 3*	
	#12 2 to 3	#14 w/#22 2 to 4*	#12 w/#14 2 to 3*	
	#20 w/#22 3 to 6*	#14 w/#20 2 to 4*		
#18 w/#22 3 to 6*	#14 w/#18 2 to 4*			
B2	#22 5 to 6	#10 2 to 3 solid	#14 w/#16 2 to 6*	1 #10 w/1 to 4 #14
	#20 3 to 6	#10 2 stranded	#12 w/#22 2 to 6*	2 #10 w/1 to 2 #14
	#18 2 to 6 solid	#20 w/#22 4 to 6*	#12 w/#20 2 to 6*	1 #10 w/1 to 3 #12
	#18 2 to 5 stranded	#18 w/#22 3 to 6*	#12 w/#18 2 to 5*	2 #10 w/1 #12
	#16 2 to 6 solid	#18 w/#20 3 to 6*	#12 w/#16 2 to 5*	1 #8 stranded w/1 #14 stranded
	#16 2 to 5 stranded	#16 w/#22 3 to 6*	#12 w/#14 2 to 5*	1 #8 stranded w/1 #12 stranded
	#14 2 to 6 solid	#16 w/#20 2 to 6*	1 #10 w/1 to 4 #18	1 #8 stranded w/1 #10 stranded
	#14 2 to 5 stranded	#16 w/#18 2 to 6*	2 #10 w/1 to 3 #18	1 #12 w/1 #14 w/1 to 4 #16
	#12 2 to 5 solid	#14 w/#22 2 to 6*	1 #10 w/1 to 4 #16	1 #12 w/2 #14 w/1 or 2 #16
	#12 2 to 4 stranded	#14 w/#20 2 to 6*	2 #10 w/1 to 3 #16	2 #12 w/1 #14 w/1 to 3 #16
		#14 w/#18 2 to 6*		

Buchanan Wire Connectors				
Model	600 Volt Maximum			
B4	#14 4 to 6	#8 2 stranded		
	#12 2 to 5	#6 2 stranded	#10 w/#12 2 to 5*	2 #8 w/1 or 2 #10
	#10 2 to 5 solid	#12 w/#14 2 to 6*	1 #8 w/1 to 4 #14	1 #6 w/1 to 4 #14
	#10 2 to 4 stranded	#10 w/#14 2 to 5*	1 #8 w/1 to 4 #12	1 #6 w/1 to 4 #12
	#8 2 or 3 solid		2 #8 w/1 to 3 #12	1 #6 w/1 or 2 #10
			3 #8 solid w/1 #12	1 #6 w/1 or 2 #8
		1 #8 w/1 to 4 #10		
BGR	2 or 3 #10	1 #10 w/1 to 3 #12	1 #10 w/1 or 2 #12 w/1 or 2 #14	3 #12 w/1 or 2 #14
	2 #10 w/1 or 2 #12	1 #10 w/1 to 4 #14	1 #10 w/1 #12 w/1 to 3 #14	2 #12 w/1 to 3 #14
	2 #10 w/1 #12 w/1 #14	1 #10 w/1 to 3 #12 w/1 #14	2 to 5 #12	1 #12 w/1 to 4 #14
	2 #10 w/1 to 3 #14		4 #12 w/1 #14	2 to 5 #14

Buchanan Wire Connectors				
Model	600 Volt Maximum			
BGR, WGR	2 or 3 #10	1 #10 w/ 1-4 #14	4 #12 w/ 1 #14	
	2 #10 w/ 1 or 2 #12	1 #10 w/ 1-3 #12 w/ 1 #14	3 #12 w/ 1 or 2 #14	
	2 #10 w/ 1 #12 1/ 1 #14	1 #10 w/ 1 or 2 #12 w/ 1 or 2 #14	2 #12 w/ 1-3 #14	
	2 #10 w/ 1, 2 or 3 #14	1 #10 w/ 1 #12 w/ 1-3 #14	1 #12 w/ 1-4 #14	
	1 #10 w/ 1, 2 or 3 #12	2-5 #12	2-5 #14	

UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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Buchanan Crimp Connectors				
Model	600 Volt Maximum			
2006S	2 #18 STRANDED THROUGH 10 #18 SOILD OR STRANDED	4 #16w/ 1 #14 or 1 #12	1 #12 w/ 5 #16 and 1-3 #18	2 #14 w/3 #16 and 3 #18
	#18 W 1-6 #16 OR 1-5 #15 OR 1-3 #12 OR 1 #10	2-5 #14	1 #12 w/ 4 #16 and 1-4 #18	2 #14 w/2 #16 and 5 #18
	2 #18 stranded w/ 1-5 #16 or 1-5 #14 or 1-3 #12 or 1 #10	1 #14 w/ 1-3 #12 or 1 #10	1 #12 w/ 3 #16 and 1-5 #18	2 #14 w/1 #16 and 7 #18
	3 #18 w/ 1-5 #16 or 1-4 #14 or 1-2 #12	2 #14 w/ 1-2 # 12 or 1 #10	1 #12 w/ 2 #16 and 1-6 #18	3 #14 w/3 #16 and 1-2 #18
	4 #18 w/ 1-4 #16 or 1-3 #14 or 1-2 #12 or 1 #10	3 #14 w/ 1 #12	1 #12 w/ 1 #16 and 1-8 #18	3 #14 w/2 #16 and 1-4 #18
	5 #18 w/ 1-3 #16 or 1-2 #14 or 1 # 12 or 1 #10	2-4 #12	2 #12 w/ 4 #16 and 1 #18	3 #14 w/1 #16 and 1-5 #18
	6 #18 w/ 1-3 #16 or 1-2 #14 or 1 #12	1 #12 w/ 1 #10	2 #12 w/ 2 #16 and 1-4 #18	4 #14 w/1 #16 and 1-2 #18
	7 #18 w/ 1-2 # 16 or 1 #14	2 # 10	2 #12 w/ 1 #16 and 1-5 #18	
	8 #18 w/ 1 #16	1 #14 w/ 1 #12 and 1 #10	3 #12 w/ 1 #16 and 1-2 #18	
	2-7 # 16	2 #14 w/ 1 #12 and 1 #10	1 #14 w/ 6 #16 and 1 #18	
	1 #16 w/ 1-4 # 14 or 1-3 # 12 or 1 #10	1 #10 w/ 5 #16 and 1 #18	1 #14 w/ 5 #16 and 1-2 #18	
	2 #16 w/ 1-3 #14 or 1-2 #12 or 1 #10	1 #10 w/ 4 #16 and 1-3 #18	1 #14 w/ 4 #16 and 1-4 #18	
	3 #16 w/ 1-2 #14 or 1 #12 or 1 #10	2 #10 w/ 1 #16 and 1# 18	1 #14 w/ 3 #16 and 1-5 #18	
			1 #14 w/2 #16 and 1-7 #18	
		1 #14 w/2 #16 and 1-8 #18		
		2 #14 w/4 #16 and 1 #18		

Model	600 Volt Maximum			
2011S	Stranded Wire	Combination Stranded Wire	Solid Wire	Combination of Stranded and Solid Wire
	5-11 # 14	1-3 #14 w/ 3-5 #12	4-10 # 14	1-3 #14 w/ 3-5 #12
	3-7 #12	1-3 #14 w/ 3 or 4 #10	3-6 #12	1-3 #14 w/ 3-4 #10
	2-5 #10	1 or 2 #12 w/ 3 or 4 #10	2-4 #10	1-2 #12 w/ 3-4 #10
	2-3 #8	1-3 #12 w/ 5-8 #14	2 # 8	1-3 #12 w/ 5-8 #14
	2 #6	2 or 4 # 14 w/ 1 #8 or 1 #10		1 #4 stranded w/1 #8 or 1 #10
		1 #8 w/ 1 #10		1 #6 stranded w/1 #8 or 1 #10
			1 #8 w/ 1 #10	
			2 or 4 #14 solid w/ 1 #8 stranded	

Model	600 Volt Maximum			
2008S	2-10 #18	2-4 #12	1 #14 w/ 6 #16 and 1 #18	3 #14 w/ 3 #16 and 1-2 #18
	1 #18 w/ 1-6 #16 or 1-5 # 14 or 1-3 #12 or 1 #10	1 #12 w/ 1 #10	1 #14 w/ 5 #16 and 1-2 #18	3 #14 w/ 2 #16 and 1-4 #18
	2 #18 w/ 1-5 #16 or 1-5 #14 or 1-3 #12 or 1 #10	2 #10	1 #14 w/ 4 #16 and 1-4 #18	3 #14 w/ 1 #16 and 1-5 #18
	2 #16 w/ 1-3 #14 or 1-2 #12 or 1 #10	1 #14 w/ 1 #12 and 1 #10	1 #14 w/ 3 #16 and 1-5 #18	4 #14 w/ 1 #16 and 1-2 #18
	3 #16 w/ 1-2 #14 or 1 #12 or 1 #10	2 #14 w/ 1 #12 and 1 #10	1 #14 w/ 2 #16 and 1-7 #18	
	4 #16 w/ 1 #14 or 1 #12	1 #10 w/ 5 #16 and 1 #18	1 #14 w/ 1 #16 and 1-8 #18	
	2-5 #14	1 #10 w/ 4 #16 and 1-3 #18	2 #14 w/ 4 #16 and 1 #18	
	1 #14 w/ 1-3 #12 or 1 #10	2 #10 w/ 1 #16 and 1 #18	2 #14 w/ 3 #16 and 3 #18	
	2 #14 w/ 1-2 #12 or 1 # 10	1 #12 w/ 5 #16 and 1-3 #18	2 #14 w/ 2 #16 and 5 #18	
	3 #14 w/ 1 #12	1 #12 w/ 4 #16 and 1-4 #18	2 #14 w/ 1 #16 and 7 #18	
		1 #12 w/ 3 #16 and 1-5 #18		
		1 #12 w/ 2 #16 and 1-6 #18		
		2 #12 w/ 1 #16 and 1-2 #18		

UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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IDEAL Term-A-Nut Pigtail Connectors and Grounding connectors		
Model		
70 red connector w/ black wire	2-4 #12	1 #14 w/ 2-3 #16
	2-4 #14	2 #14 w/ 1-2 #16
red connector w/ white wire	4-5 #16	3 #14 w/ 1 #16
	1 #16 w/ 3-4 #18	1 #12 w/ 2-3 #18
	2 #16 w/ 2-3 #18	2 #12 w/ 1-2 #18
	3 #16 w/ 1-2 #18	3 #12 w/ 1 #18
Green connector w/ green wire	4 #16 w/ 1 #18	1 #12 w/ 1-3 #16
	1 #14 w/ 2-3 #18	2 #12 w/ 1-2 #16
	2 #14 w/ 1-2 #18	3 #12 w/ 1 #16
	3 #14 w/ 1 #18	1 #12 w/ 1-3 #14
		2 #12 w/ 1-2 #14
		3 #12 w/ 1 #14

Termend Lugs		
Model		
16-8	Solid Wire	Stranded Wire
	1-8 #16	1-8 #16
	1-4 #14	1-5 #14
	1-2 #12	1-3 #12
	1 #10	1 #8

Buchanan Wire Connectors				
Model	600 Volt Maximum			
WT-51	2-4 #18	1 #14 w/ 1-4 #16	1 #12 w/ 1-3 #16	1-3 #12
	2-4 #16	2 #14 w/ 1-3 #18	1 #12 w/ 1-2 #14	1 #10 w/ 1-3 #18
	1 #16 w/ 1-5 #18	2 #14 w/ 1-3 #16	2 #12 w/ 1-2 #18	1 #10 w/ 1-2 #16
	2 #16 w/ 1-4 #18	3 #14 w/ 1-2 #18	2 #12 w/ 1 #16	1 #10 w/ 1-2 #14
	3 #16 w/ 1-3 #18	3 #14 w/ 1 #16	2 #12 w/ 1 #14	1 #10 w/ 1 #12
	4 #16 w/ 1-2 #18	3 #14 w/ 1 #18		1 #10
	1-3 #14	1 #12 1-5 #18		
	1 #14 w/ 1-5 #18			

Buchanan Wire Connectors				
Model	600 Volt Maximum			
WT-52	1 #12 w/ 5 #14	1 #10 w/ 1-2 #14	1 #12 w/ 2 #14 and 1 or 2 #16	4 #14 w/ 1-2 #18
	1 #12 w/ 4 #16	1 #10 w/ 1-2 #12	2 #12 w/ 3 or 4 #18	4 #14 w/ 1 #16
	1 #12 w/ 4 #14	1 #10 w/ 1 #14 and 1-3 #16	2 #12 w/ 1-3 #16	5 #14 w/ 1 #18
	1 #12 w/ 2 #14	1 #10 w/ 2 #14 and 1 #16	2 #12 w/ 1-3 #14	1 #16 w/ 4-5 #18
	1 #12 w/ 1 #14	1 #10 w/ 1 #12 and 1 #14	2 #12 w/ 1 #14 and 1-2 #16	2 #16 w/ 2-4 #18
	1 #10 w/ 3 #14	1 #10 w/ 1 #12 and 1-2 #16	3 #12 w/ 1-2 #16	3 #16 w/ 1-3 #18
	1 #10 w/ 4 #14	2 #10 w/ 1-2 #16	3 #12 w/ 2 #18	4 #16 w/ 1-2 #18
	1 #10 w/ 2 #14	2 #10 w/ 1 #14	1 #14 w/ 3-5 #18	5 #16 w/ 1 #18
	1 #10 w/ 1 #12	1 #12 w/ 2-5 #18	1 #14 w/ 3 #12	2-3 #10
	1 #8 w/ 1 #10	1 #12 w/ 1-5 #16	1 #14 w/ 2-5 #16	2-5 #12
	1 #8 w/ 1 #12	1 #12 w/ 1-4 #14	2 #14 w/ 1-4 #18	2-6 #14
	1 #8 w/ 1 #14	1 #12 w/ 1 #14 and 1-4 #16	2 #14 w/ 1-4 #16	4-6 #16
	1 #10 w/ 2-5 #18		3 #14 w/ 1-3 #16	6 #18
	1 #10 w/ 1-4 #16			

UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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Buchanan Wire Connectors			
Model	600 Volt Maximum		
WT-53	4-6 #14	2 #12 w/ 3-4 #18	1 #8 w/ 1-3 #12
	2-6 #12	2 #12 w// 1-4 #16	1 #8 w/ 1-2 #10
	2-3 #10	2 #12 w/ 1-4 #14	2 #8 w/ 1 #14
	2 #8	3 #12 w/ 1-3 #18	1 #6 w/ 1 #10
	1 #6	3 #12 w/ 1-3 #16	1 #12 w/ 1 #14 w/ 1-4 #16
	4 #16 w/ 2 #18	3 #12 w/ 1-3 #14	1 #12 w/ 2 #14 w/ 1 #16
	1 #14 w/ 4-5 #16	4 #12 w/ 1-2 #16	2 #12 w/ 1 #14 w/ 1-2 #16
	2 #14 w/ 3-4 #18	1 #10 w/ 1-5 #16	1 #10 w/ 1 #14 w/ 1-3 #16
	2 #14 w/ 2-4 #16	1 #10 w/ 1-5 #14	1 #10 w/ 2 #14 w/ 1 #16
	3 #14 w/ 1-3 #18	1 #10 w/ 1-4 #12	1 #10 w/ 1 #12 w/ 1-2 #6
	3 #14 w/ 1-3 #16	2 #10 w/ 2-4 #18	1 #10 w/ 1 #12 w/ 1-4 #14
	4 #14 w/ 1-2 #18	2 #10 w/ 2-4 #16	1 #10 w/ 2 #12 w/ 1-3 #14
	4 #14 w/ 1-2 #16	2 #10 w/ 1-4 #14	1 #10 w/ 3 #12 w/ 1 #14
	5 #14 w/ 1 #18	2 #10 w/ 1-2 #12	2 #10 w/ 2 #12 w/ 1-2 #14
	5 #14 w/ 1 #16	3 #10 w/ 1 #14	1 #8 w/ 1 #12 w/ 1-3 #14
	1 #12 w/ 3-5 #16	3 #10 w/ 1 #12	1 #8 w/ 2 #12 w/ 1 #14
	1 #12 w/ 2-5 #14	1 #8 w/ 1-5 #14	1 #8 w/ 1 #10 w/ 1-2 #14
		1 #8 w/ 1 #10 w/ 1 #12	

Buchanan Wire Connectors			
Model	600 Volt Maximum		
WT-54	5-6 #14	1 #6 w/ 1-3 #10	2 #8 w/ 3 #12 w/ 1 #14
	3-6 #12	1 #6 w/ 1-2 #8	2 #8 w/ 1 #10 w/ 1-3 #14
	2-5 #10	2 #6 w/ 1 #14	2 #8 w/ 1 #10 w/ 1-2 #12
	2-3 #8	2 #6 w/ 1 #12	2 #8 w/ 2 #10 w/ 1 #14 Sol
	1-2 #6	1 #10 w/ 1 #12 w/ 1-4 #14	1 #6 w/ 1 #12 w/ 1-4 #14
	1 #12 w/ 4-5 #14	1 #10 w/ 2 #12 w/ 1-3 #14	1 #6 w/ 2 #12 w/ 1-3 #14
	2 #12 w/ 2-4 #14	1 #10 w/ 3 #12 w/ 1-2 #14	1 #6 w/ 3 #12 w/ 1-2 #14
	3 #12 w/ 1-3 #14	1 #10 w/ 4 #12 w/ 1 #14	1 #6 w/ 4 #12 w/ 1 #14
	4 #12 w/ 1 #14	2 #10 w/ 1 #12 w/ 1-3 #14	1 #6 w/ 1 #10 w/ 1-4 #14
	1 #10 w/ 3-5 #14	2 #10 w/ 2 #12 w/ 1-2 #14	1 #6 w/ 1 #10 w/ 1-3 #12
	1 #10 w/ 2-4 #14	2 #10 w/ 3 #12 w/ 1 #14	1 #6 w/ 2 #10 w/ 1-2 #14
	2 #10 w/ 1-4 #14	3 #10 w/ 1 #12 w/ 1-2 #14	1 #6 w/ 2 #10 w/ 1 #12
	2 #10 w/ 1-4 #12	3 #10 w/ 2 #12 w/ 1 #14	1 #6 w/ 1 #8 w/ 1-3 #14
	3 #10 w/ 1-3 #14	4 #10 w/ 1 #12 w/ 1 #14	1 #6 w/ 1 #8 w/ 1-2 #12
	3 #10 w/ 1-3 #12	1 #8 w/ 1 #12 w/ 1-4 #14	1 #6 w/ 1 #8 w/ 1 #10
	4 #10 w/ 1-2 #14	1 #8 w/ 2 #12 w/ 1-3 #14	
	4 #10 w/ 1-2 #12	1 #8 w/ 3 #12 w/ 1-2 #14	
	1 #8 w/ 1-5 #14	1 #8 w/ 4 #12 w/ 1 #14	
	1 #8 w/ 1-5 #12	1 #8 w/ 1 #10 w/ 1-4 #14	
	1 #8 w/ 1-4 #10	1 #8 w/ 1 #10 w/ 1-4 #12	
	2 #8 w/ 1-4 #14	1 #8 w/ 2 #10 w/ 1-3 #14	
	2 #8 w/ 1-3 #12	1 #8 w/ 2 #10 w/ 1-3 #12	
	2 #8 w/ 1-2 #10	1 #8 w/ 3 #10 w/ 1-2 #14	
	3 #8 w/ 1-2 #14	1 #8 w/ 3 #10 w/ 1 #12	
	1 #6 w. 1-4 #14	2 #8 w/ 1 #12 w/ 1-3 #14	
	1 #6 w/ 1-5 #12	2 #8 w/ 2 #12 w/ 1-2 #14	

UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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Buchanan Wire Connectors		
Model	300 Volt Maximum	
WT-1	1 #14	2 #22 Stranded only
	1-2 #16	4 #20 w/ 1 #22
	2-3 #18	3 #20 w/ 1-2 #22
	2-4 #20	2 #20 w/ 1-3 #22
	3-4 #22	1 #20 w/ 1-4 #22
	5 #22	1 #16 w/ 1 #20 w/ 1 #18 or #20
	1 #14 w/ 1 #20 or 22	1-2 #18 w/ 1 #20 w/ 1 #22
	1 #16 w/ 1 #18	
	1 #16 w/ 1-2 #20	
	1 #16 w/ 1-3 #22	
	1 #18 w/ 1-3 #20	
	1 #18 w/ 1-4 #22	

Buchanan Wire Connectors		
Model	300 Volt Maximum	
WT-2	1 #14 Stranded only	1 #16 w/ 1-3 #18
	1-2 #16 Stranded only	1 #16 w/ 1 #18 w/ 1 #20
	2-3 #16	1 #16 w/ 1-4 #20 or #22
	1 #18 Stranded only	4 #18 w/ 1 #20 or #22
	2-4 #18	3 #18 w/ 1-2 #20 or #22
	3-5 #20	2 #18 w/ 1-3 #20 or #22
	1 #14 w/ 1 #16	1 #18 w/ 2-4 #20
	1 #14 w/ 1-2 #18	1 #18 w/ 3-4 #22
	1 #14 w/ 1-3 #20	4 #20 w/ 1 #22
	1 #14 w/ 1-4 #22	3 #20 w/ 1-2 #22
	2 #16 w/ 1 #18	2 #16 w/ 1 #20 w/ 1 #22
	2 #16 w/ 1-2 #20	1 #16 w/ 1 #22 w/ 1 #18 or #20
	2 #16 w/ 1-3 #22	1-2 #18 w/ 1 #20 w/ 1 #22

Buchanan Wire Connectors				
Model	300 Volt Maximum		600 Volt Maximum	
WT-3	5 #18	2 #16 w/ 3 #20	1-2 #14	1 #16 w/ 1-3 #20 or #22
	5 #22	1 #16 w/ 4 #18	1 #16 Stranded only	3 #18 w/ 1 #20 or #22
	3-4 #16	4 #18 w/ 1 #20 or #22	2 #16	2 #18 w/ 1-2 #20
	4-5 #20	3 #18 w/ 2 #20 or #22	1 #18 Stranded only	2 #18 w/ 1-3 #22
	2 #14 w/ 2 #16	2 #18 w/ 3 #22	2-4 #18	1 #18 w/ 2-4 #20
	2 #14 w/ 1-3 #20 or #22	1 #18 stranded w/ 5 #22 Stranded	1 #14 w/ 1 #16	1 #18 w/ 3-4 #22
	1 #14 w/ 2 #16	4 #20 w/ 1 #22	1 #14 w/ 1 #16 and 1 #18	1-2 #16 w/ 1 #20 w/ 1 #22
	1 #14 w/ 3 #18	3 #20 w/ 1-2 #22	1 #14 w/ 1-2 #18	1 #16 w/ 1 #18 w/ 1 #22
	1 #14 w/ 4 #20	2 #20 w/ 2-3 #22	1 #14 w/ 1-3 #20	1-2 #18 w/ 1 #20 w/ 1 #22
	4 #16 w/ 1 #20 or #22	1 #20 w/ 4 #22	1 #14 w/ 1-3 #22	
	3 #16 w/ 1 #18		2 #16 w/ 1 #18	
	3 #16 w/ 1-2 #20 or #22		2 #16 w/ 1-2 #20	
	2 #16 w/ 2-3 #18		2 #16 w/ 1-2 #22	
	2 #16 w/ 3 #22		1 #16 w/ 1-2 #18	

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Buchanan Wire Connectors				
Model	300 Volt Maximum		600 Volt Maximum	
WT-4	2 #10	1 #16 w/ 4 #18	1 #8	1 #16 w/ 1-3 #20
	3 #12	2 #16 w/ 3 #18	1 #10	1 #16 w/ 2 #22
	5 #16	3 #16 w/ 2 #18	1-2 #12	2 #16 w/ 1-3 #20
	5 #18	4 #16 w/ 1 #18	1-3 #14	2 #16 w/ 1-2 #18
	1 #10 w/ 3-4 #16		2-5 #16	3 #16 w/ 1-2 #22 or #20
	1 #10 w/ 2 #14		2-6 #18	3 #16 w/ 1 #18
	1 #10 w/ 1 #16 w/ 4 #20		3-4 #20	4 #16 w/ 1 #22 or #20
	1 #10 w/ 1 #16 w/ 3-4 #18		4 #22	1 #18 w/ 2 #20
	1 #10 w/ 1 #14 w/ 4 #22		1 #10 w/ 1 #14	1 #18 w/ 3 #22
	1 #10 w/ 1 #14 w/ 3 #20		1 #10 w/ 1 #12	2 #18 w/ 3 #20
	1 #10 w/ 1 #14 w/ 2-4 #18		1 #12 w/ 1-4 #20 #18 or #16	3 #18 w/ 1-2 #22 or #20
	1 #10 w/ 1 #14 w/ 2 #16		1 #12 w/ 1-2 #14	4 #18 w/ 1 #22 or #20
	1 #10 w/ 2 #14 w/ 1 #16		2 #12 w/ 1-2 #18	2 #12 w/ 1 #18 w/ 1-2 #20
	1 #10 w/ 1 #12 w/ 1-2 #18		2 #12 w/ 1 #16	1 #14 w/ 1 #16 w/ 1-4 #22
	1 #10 w/ 1 #12 w/ 1 #16 or #14		1 #14 w/ 2-4 #20	2 #14 w/ 1-2 #20 w/ 1-2 #22
	1 #12 w/ 3 #14		1 #14 w/ 1-3 #18 or #16	2 #14 w/ 1 #16 w/ 1-3 #22
	2 #12 w/ 1-2 #14		2 #14 w/ 1-3 #20	3 #14 w/ 1 #18 w/ 1-2 #22
	2 #12 w/ 3 #18		2 #14 w/ 1-2 #18 or #16	3 #14 w/ 1 #18 w/ 1 #20
	1 #14 w/ 4 #18 or #16		3 #14 w/ 1-2 #20	1 #16 w/ 1 #20 w/ 4 #22
	2 #14 w/ 3 #18 or #16		3 #14 w/ 1 #18 or #16	1 #16 w/ 1 #18 w/ 3-4 #22
	3 #14 w/ 2 #18 or #16		4 #14 w/ 1 #20 or #18	1 #16 w/ 1 #18 w/ 2-4 #20
	3 #14 w/ 1 #18 w/ 2 #20		1 #16 w/ 4 #20	2 #16 w/ 1-2 #20 w/ 1-2 #22
	4 #14 w/ 1-2 #16		1 #16 w/ 1-3 #18	3 #16 w/ 1 #18 w/ 1-2 #22 or #20

Buchanan Wire Connectors				
Model	300 Volt Maximum		600 Volt Maximum	
WT-6	2 #8 stranded only	2 #10 w/ 3 #16	1 #8 w/ 1 #12	2 #12 w/ 1-3 #14
	3 #10	2 #10 w/ 2-3 #14	1 #10 w/ 1-4 #18 or #16	2 #12 w/ 1 #16 w/ 1-3 #20
	5 #12	2 #10 w/ 1-2 #12	1 #10 w/ 1-3 #14	2 #12 w/ 1 #16 w/ 1-3 #18
	1 #6 w/ 1 #14	2 #10 w/ 1 #16 w/ 2-3 #18	1 #10 w/ 1-2 #12	2 #12 w/ 1 #14 w/ 1-3 #18
	1 #6 w/ 1 #12	2 #10 w/ 1 #14 w/ 1-3 #18	1 #10 w/ 1 #18 w/ 1-4 #22 or #20	2 #12 w/ 1 #14 w/ 1-3 #16
	1 #6 w/ 1 #14 w/ 1-2 #18	2 #10 w/ 2 #14 w/ 1 #16	1 #10 w/ 1 #16 w/ 1-4 #20	3 #12 w/ 1 #14
	1 #6 w/ 1 #14 w/ 1 #16	2 #10 w/ 1 #12 w/ 1-3 #18	1 #10 w/ 1 #16 w/ 1-4 #18	3 #12 w/ 1-2 #16 or #18
	1 #8 w/ 4 #16	2 #10 w/ 1 #12 w/ 1-2 #16	1 #10 w/ 1 #14 w/ 1-4 #16 of #18	3 #12 w/ 1 #18 w/ 1-2 #20
	1 #8 w/ 3 #14	3 #10 w/ 1 #18 or #16	1 #10 w/ 2 #14 w/ 1-2 #16	3 #12 w/ 1 #16 w/ 1-2 #20
	1 #8 w/ 2 #12	2 #12 w/ 2 #14 w/ 2 #16	1 #10 w/ 1 #12 w/ 1-3 #16 or #18	2 #12 w/ 2 #14 w/ 1 #16 or #18
	1 #8 w/ 1 #10	3 #12 w/ 2 #14	1 #10 w/ 1 #12 w/ 1-2 #14	1 #14 w/ 3-4 #18
	1 #8 w/ 1 #14 w/ 4 #18	3 #12 w/ 3 #16	1 #10 w/ 2 #12 w/ 1 #16 or #18	1 #14 w/ 1 #16 w/ 2-4 #20
	1 #8 w/ 1 #12 w/ 1-4 #18 or #16	3 #12 w/ 1 #16 w/ 2 #18	2 #10 w/ 1-3 #18	1-2 #14 w/ 1 #16 w/ 1-3 #18
	1 #8 w/ 1 #12 w/ 1-2 #14	3 #12 w/ 1 #14 w/ 1-2 #16	2 #10 w/ 1-2 #16	2 #14 w/ 2-4 #16
	1 #8 w/ 2 #12 w/ 1 #16 or #14	3 #12 w/ 1 #14 w/ 1-2 #18	2 #10 w/ 1 #14	2 #14 w/ 1 #18 w/ 1-3 #22 or #20
	1 #8 w/ 1 #10 w/ 1 #14 or #12	3 #12 w/ 2 #14 w/ 1 #16	2 #10 w/ 1 #16 w/ 1 #18	2 #14 w/ 1 #16 w/ 1-3 #22 or #20
	1 #10 w/ 4 #14	4 #12 w/ 1 #18 #16 or #14	2 #10 w/ 1 #14 w/ 1 #20	3 #14 w/ 1-2 #18 or #16
	1 #10 w/ 3 #12	1 #6	1 #12 w/ 2-4 #20 or #18	3 #14 w/ 1 #16 w/ 1-2 #20
	1 #10 w/ 2 #14 w/ 3 #16	1 #8	1 #12 w/ 1-4 #16 or #14	3 #14 w/ 1 #16 w/ 1-2 #18
	1 #10 w/ 1 #12 w/ 4 #16	1-2 #10	1 #12 w/ 1 #16 w/ 1-4 #20	1 #16 w/ 4 #18
	1 #10 w/ 1 #12 w/ 3-4 #14	1-4 #12	1 #12 w/ 1 #16 w/ 1-4 #18	2 #16 w/ 3-4 #18
	1 #10 w/ 2 #12 w/ 2-3 #18 or #16	2-5 #14	1 #12 w/ 1 #14 w/ 1-4 #20 #18 or #16	2 #16 w/ 1 #18 w/ 3 #22
	1 #10 w/ 2 #12 w/ 1-2 #14	4-6 #16	1 #12 w/ 2 #14 w/ 1-3 #16	2 #16 w/ 1 #18 w/ 2-3 #20
		1 #8 w/ 1-2 #14	2 #12 w/ 1-2 #18 or #16	3 #16 w/ 1-2 #20 or #18
				4 #16 w/ 1 #20 or #18