



**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
<b>71B®</b>	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	
<b>72B®</b>	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		
<b>73B®</b>	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 #16 w/1 #18 w/1 #22
	2 #14 w/1 #18	2 #18 w/3 #22	2 #16
	2 #14 w/1 to 3 #20 or #22	1 #18 str. w/5 #22 str.	2 #18 w/1 or 2 #20 or #22
	3 or 4 #16	3 to 5 #20	1 #18 w/2 to 4 #20
	1 #16 w/4 #18	4 #20 w/1 #22	1 #18 w/3 to 4 #22
	2 #16 w/2 or 3 #18	3 #20 w/1 or 2 #22	1 #18 str.
	2 #16 w/3 #20	2 #20 w/2 or 3 #22	3 #18 w/1 #20 or #22
	3 #16 w/1 #18	1 #20 w/4 #22	2 to 4 #18
	3 #16 w/1 or 2 #20 or #22	5 #22	1 or 2 #18 w/1 #20 w/1 #22
	4 #16 w/1 #20 or #22		
	<b>74B®</b>	1 #10 w/2 #12	
			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	

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IDEAL Wire-Nut® Wire Connectors				
Model	300 Volt Maximum		600 Volt Maximum	
<b>76B®</b>	1 #6 w/1 or 2 #16	1 #10 w/1 #12 w/3 or 4 #14	1 #6	2 #12 w/1 to 3 #14
	1 #6 w/1 #14	1 #10 w/2 #12 w/2 or 3 #16 or #18	1 #8	1 #12 w/3 or 4 #22
	1 #6 w/1 #12	1 #10 w/2 #12 w/1 or 2 #14	1 #8 w/1 to 3 #16	1 #12 w/2 to 4 #18 or #20
	1 #6 w/1 #14 w/1 to 4 #22	2 #10 w/3 #16	1 #8 w/1 or 2 #14	1 #12 w/1 to 4 #14 or #16
	1 #6 w/1 #14 w/1 or 2 #18	2 #10 w/2 or 3 #14	1 #8 w/1 #12	1 #12 w/1 #20 w/2 to 4 #22
	1 #6 w/1 #14 w/1 #16	2 #10 w/1 or 2 #12	1 #8 w/1 #14 w/1 to 4 #20	2 #12 w/1 #14 w/1 to 3 #20 or #22
	2 #8 str.	2 #10 w/1 #16 w/2 or 3 #18	1 #8 w/1 to 4 #18, #20 or #22	1 #12 w/2 #20 w/1 to 3 #22
	1 #8 w/4 #16	2 #10 w/1 #14 w/2 or 3 #20 or #22	1 #8 w/1 #14 w/1 or 2 #16	1 #12 w/ #18 w/1 to 4 #20 or #22
	1 #8 w/3 #14	2 #10 w/1 #14 w/1 to 3 #18	1 #8 w/1 #12 w/1 #16 or #18	1 #12 w/1 #16 w/1 to 4 #20 or #22
	1 #8 w/2 #12	2 #10 w/2 #14 w/1 #16	1 or 2 #10	1 #12 w/1 #16 w/1 to 4 #18
	1 #8 w/1 #10	2 #10 w/1 #12 w/1 to 3 #18	1 #10 w/1 to 4 #16, #18, #20 or #22	1 #12 w/1 #14 w/1 to 4 #16, #18, #20 or #22
	1 #8 w/1 #14 w/4 #18	2 #10 w/1 #12 w/1 or 2 #16	1 #10 w/5 #16	1 #12 w/2 #14 w/1 to 3 #16
	1 #8 w/1 #14 w/3 or 4 #16	3 #10 w/1 #16 or #18	1 #10 w/1 to 3 #14	2 #12 w/1 to 3 #20 or #22
	1 #8 w/1 #12 w/1 to 4 #16 or #18	5 #12	1 #10 w/1 or 2 #12	2 #12 w/1 or 2 #16 or #18
	1 #8 w/1 #12 w/1 or 2 #14	2 #12 w/1 #14 w/3 #16	1 #10 w/1 or 2 #20 w/1 to 3 #22	2 #12 w/1 or 2 #20 w/1 or 2 #22
	1 #8 w/2 #12 w/1 or 2 #18	2 #12 w/2 #14 w/2 #16	1 #10 w/1 #18 w/1 to 4 #20 or #22	2 #12 w/1 #18 w/1 to 3 #20 or #22
	1 #8 w/2 #12 w/1 #14 or #16	3 #12 w/2 #14	1 #10 w/1 #16 w/1 to 4 #20 or #22	2 #12 w/1 #16 w/1 to 3 #20 or #22
	1 #8 w/1 #10 w/1 #12 or #14	3 #12 w/3 #16	1 #10 w/1 #16 w/1 to 4 #18	2 #12 w/1 #16 w/1 to 3 #18
	3 #10	3 #12 w/1 #16 w/2 #18	1 #10 w/1 #14 w/1 to 4 #18, #20 or #22	2 to 5 #14
	1 #10 w/4 #14	3 #12 w/1 #14 w/1 or 2 #16	1 #10 w/1 #14 w/1 to 4 #16	4 to 6 #16
	1 #10 w/3 #12	3 #12 w/1 #14 w/1 or 2 #18	1 #10 w/2 #14 w/1 or #2 #16	2 #12 w/1 #14 w/1 to 3 #18
	1 #10 w/2 #14 w/3 #16	3 #12 w/2 #14 w/1 #16	1 #10 w/1 #12 w/1 to 4 #18	2 #12 w/1 #14 w/1 to 3 #16
	1 #10 w/1 #12 w/4 #16	4 #12 w/1 #14, #16, #18, #20 or #22	1 #10 w/1 #12 w/1 to 3 #16	3 #12 w/1 #16 w/1 or 2 #18
			1 #10 w/1 #12 w/1 or 2 #14	3 #12 w/1 #14
			1 #10 w/2 #12 w/1 #16 or #18	3 #12 w/1 #14 w/1 #20
			2 #10 w/1 to 3 #18	3 #12 w/1 #14 w/1 or 2 #22
			2 #10 w/2 #16	3 #12 w/1 #14 w/1 #18
		2 #10 w/1 #14	3 #12 w/1 or 2 #20 or #22	
		2 #10 w/1 #16 w/1 #18	3 #12 w/1 to 3 #18	
		2 #10 w/1 #14 w/1 #20 or #22	3 #12 w/1 or 2 #16	
		1 to 4 #12	3 #12 w/1 #20 w/1 or 2 #22	
		3 #12 w/1 #18 w/1 or 2 #22	3 #12 w/2 #20 w/1 #22	
		3 #12 w/1 #18 w/1 or 2 #20	3 #14 w/1 #16 w/1 or 2 #18	
		3 #12 w/1 #16 w/1 or 2 #22	4 #14 w/1 #18, #20 or #22	
		3 #12 w/1 #16 w/1 or 2 #20	4 #14 w/2 #18	
		2 #12 w/2 #14 w/1 #16	4 #14 w/1 #16	
		1 #14 w/3 or 4 #18	5 #14 w/1 #18	
		1 #14 w/2 #20 w/3 #22	1 #16 w/4 #18	
		1 #14 w/1 #18 w/4 #22	2 #16 w/3 #20	
		1 #14 w/1 #18 w/3 or 4 #20	2 #16 w/3 or 4 #18	
		1 #14 w/1 #16 w/2 to 4 #20	2 #16 w/1 #20 w/3 #22	
		1 or 2 #14 w/1 #16 w/1 to 3 #18	2 #16 w/2 #20 w/2 #22	
		2 #14 w/2 to 4 #16	2 #16 w/1 #18 w/3 #22	
		2 #14 w/1 or 2 #20 w/1 or 2 #22	2 #16 w/1 #18 w/2 or 3 #20	
		2 #14 w/1 #18 w/1 to 3 #20 or #22	3 #16 w/1 or 2 #18, #20 or #22	
		2 #14 w/1 #16 w/1 to 3 #20 or #22	3 #16 w/1 or 2 #20 w/1 #22	
		3 #14 w/1 or 2 #20 or #22	3 #16 w/1 #18 w/1 or 2 #20 or #22	
		3 #14 w/1 or 2 #16 or #18	4 #16 w/1 or 2 #22	
		3 #14 w/1 #18 w/1 or 2 #20 or #22	4 #16 w/1 #18 or #20	
		3 #14 w/1 #16 w/1 or 2 #20 or #22	4 or 5 #16 w/1 #22	

IDEAL Wire-Nut® Wire Connectors				
Model	600 Volt Maximum			
<b>59B®</b>	1 #12	2 #14 w/1 #16	3 #16 w/1 to 3 #20 or #223	5 #18 w/1 #20 w/1 #22
	1 #12 w/1 to 3 #18	2 #14 w/1 #20 w/1 or 2 #22	#16 w/1 or 2 #18	1 #18 w/1 to 4 #20 or #22
	1 #12 w/1 or 2 #16	2 #14 w/1 #18 w/1 or 2 #22	3 #16 w/1 #20 w/1 or 2 #22	1 #18 w/1 #20 w/1 or 2 #22
	1 #12 w/1 #14	2 #14 w/1 #16 w/1 #20 or #22	3 #16 w/1 #18 w/1 or 2 #22	2 #18 w/1 to 4 #20 or #22
	1 to 3 #14	1 #16 Stranded OR 1 #18 Str.	4 #16 w/1 or 2 #22	2 #18 w/1 #20 w/1 or 2 #22
	1 #14 w/1 to 5 #18, #20 or #22	2 to 4 #16	4 #16 w/1 #18 or #20	2 to 6 #20
	1 #14 w/1 to 3 #16	1 #16 w/1 to 5 #18, #20 or #22	4 #16 w/1 #20 w/1 #22	1 #20 w/2 to 5 #22
	1 #14 w/1 #20 w/1 or 2 #22	1 #16 w/1 #20 w/1 or 2 #22	2 to 6 #18	2 #20 w/1 to 4 #22
	1 #14 w/1 #18 w/1 or 2 #22	1 #16 w/1 #18 w/1 or 2 #22	3 #18 w/1 to 3 #20 or #22	3 #20 w/1 to 3 #22
	1 #14 w/1 #16 w/1 #20 or #22	2 #16 w/1 to 4 #18, #20 or #22	3 #18 w/1 #20 w/1 or 2 #22	4 #20 w/1 or 2 #22
	2 #14 w/1 to 4 #20 or #22	2 #16 w/1 #20 w/1 or 2 #22	4 #18 w/1 or 2 #22 or #20	5 #20 w/1 #22
	2 #14 w/1 or 2 #18	2 #16 w/1 #18 w/1 or 2 #22	4 #18 w/1 #20	4 to 6 #22

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IDEAL Wing-Nut® Wire Connectors			
Model	600 Volt Maximum		
<b>451®</b>	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	
	<b>452® &amp; Twister- PRO® 344®</b>	1 #6	3 #10 w/1 or 2 #14
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	

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IDEAL Wing-Nut® Wire Connectors			
Model	600 Volt Maximum		
<b>454®</b>	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	300 Volt Maximum	600 Volt Maximum
<b>92</b>		1 #10 w/1 or 2 #12
		1 #10 w/1 to 3 #14
		1 #12 w/1 to 3 #14
		2 to 4 #12
		3 #12 w/1 #14
		2 #12 w/1 to 3 #14
		2 to 4 #14

### 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® Wire Connectors			
Model	600 Volt Maximum		
<b>341®</b>	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	

IDEAL Wire-Nut® Wire Connectors			
Model	300 Volt Maximum		
<b>30</b>	1 #12	1 #14 w/ 1 #16	
	1-2 #14	1 #16 w/ 1-2 #18	
	2-3 #16	2 #16 w/ 1 #18	
	2-4 #18	1 #18 w/ 1-3 #20	
	3-4 #20	2 #18 w/ 1-2 #20	
	3-5 #22	3 #18 w/ 1 #20	

## 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® Wire Connectors		
Model	600 Volt Maximum	
<b>342®</b>	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 UnderGround™ Wire Connectors				
Model	300 Volt Maximum	600 Volt Maximum		
<b>60</b>		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	

IDEAL WeatherProof™ Wire Connectors	
Model	600 Volt Maximum
<b>61</b>	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

### 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 WeatherProof™ Wire Connectors		
Model	600 Volt Maximum	
<b>62</b>	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™ Wire Connectors		
Model	600 Volt Maximum	
<b>63</b>	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 Underground™ Wire Connectors	
Model	600 Volt Maximum
<b>64</b>	1 #18 with 1 to 4 #16 or #14 or #12
	1 #16 with 1 to 4 #14 or #12
	1 #14 with 1 or 2 #12 or #10
	2 #14 with 1 #12 or #10
	2 #12 with 1 #10
	1 #8 with 1 #14 or #12 or #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 to 3 #12 2 #16 w/1 or 2 #10 1 #14 w/1 or 2 #12 w/1 #10 2 #14 w/1 #12 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	600 Volt Maximum
10	1 #10	1 #16 w/1 #20 w/1 or 2 #22
	1 #10 str. w/1 #20	1 #16 w/1 #18 w/1 or 2 #22
	1 #10 str. w/1 or 2 #22	2 #16 w/1 to 4 #20 or #22
	1 #12	2 #16 w/1 to 3 #18
	1 #12 str. w/1 #14	3 #16 w/1 #18 or #20 w/1 or 2 #22
	1 #12 str. w/1 #16 w/1 #18	3 #16 w/1 to 3 #20 or #22
	1 #12 str. w/1 or 2 #18 or #20	4 #16 w/1 #18, #20 or #22
	1 #12 str. w/1 #18 or #20 w/1 or 2 #20	4 #16 w/1 #20 w/1 #22
	1 #12 w/3 or 4 #20 or #22	2 to 6 #18
	1 or 2 #14	1 #18 w/1 to 5 #20 or #22
	2 #14 w/1 #16	1 #18 w/1 #20 w/1 or 2 #22
	1 #14 w/1 or 2 #16	2 #18 w/1 to 4 #20 or #22
	2 #14 str. w/1 #16 w/1 #20 or #22	2 #18 w/1 #20 w/1 or 2 #22
	1 #14 str. w/1 #16 w/1 #18, #20 or #22	3 #18 w/1 to 4 #22
	2 #14 w/1 or 2 #18	3 #18 w/1 to 3 #20
	1 #14 w/1 to 3 #18	3 #18 w/1 #20 w/1 or 2 #22
	2 #14 str. w/1 #18 or #20 w/1 or 2 #22	4 #18 w/1 or 2 #20 or #22
	1 #14 str. w/1 #18 or #20 w/1 or 2 #22	4 #128 w/1 #20 w/1 or 2 #22
	2 #14 w/1 to 3 #20	5 #18 w/1 #20 w/1 or 2 #22
	1 #14 w/3 to 5 #20	2 to 6 #20
	1 #14 str. w/1 or 2 #20	1 #20 w/1 to 5 #22
	1 #14 str. w/2 to 5 #22	2 #20 w/1 to 4 #22
	2 #14 w/3 or 4 #22	3 #20 w/1 to 3 #22
	2 #14 str. w/1 or 2 #22	4 #20 w/1 or 2 #22
	2 to 4 #16	5 #20 w/1 #22
	1 #16 w/1 to 5 #20 or #22	4 to 6 #22
	1 #16 w/1 to 4 #18	3 #16 w/1 or 2 #18



**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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IDEAL Set Screw Wire Connectors		
Model	300 Volt Maximum	600 Volt Maximum
<b>11</b>		1 #10 1 #10 str. w/1 or 2 #16, #18 or #20 1 #10 w/3 or 4 #18 1 #10 w/3 #16 2 #12 1 #12 w/4 #18 1 #12 w/2 #14 1 #12 w/1 #16 1 #12 w/3 to 5 #20 1 #12 w/1 to 3 #16 or #18 1 #12 w/1 #14 2 #12 w/2 or 3 #20 2 #12 w/1 or 2 #18 2 or 3 #14 3 #14 w/5 #22 3 #14 w/3 #20 1 #14 w/2 to 5 #22 1 #14 w/1 to 5 #18 or #20 1 #14 w/1 to 4 #16 2 #14 w/1 to 5 #20 or #22 2 #14 w/1 to 4 #18 2 #14 w/1 to 3 #16 3 #14 w/1 or 3 #22 3 #14 w/1 or 2 #18 or #20 3 #14 w/1 #16 4 or 5 #16 1 #16 w/4 or 5 #22
<b>22</b>		1 #16 w/3 to 5 #20 1 #16 w/2 to 5 #18 2 #16 w/1 to 5 #22 2 #16 w/2 to 5 #20 2 #16 w/1 to 4 #18 3 #16 w/1 to 5 #22 3 #16 w/1 to 4 #20 3 #16 w/1 to 3 #18 4 #16 w/1 to 5 #22 4 #16 w/1 or 2 #18 or #20 5 #16 w/1 to 4 #22 5 #16 w/1 #18 or 1 #20 6 or 7 #18 1 #18 w/4 or 5 #20 or #22 2 #18 w/2 to 5 #22 2 #18 w/3 or 4 #20 3 #18 w/1 to 5 #22 3 #18 w/1 to 3 #20 4 #18 w/1 to 5 #22 4 #18 w/1 or 2 #20 5 #18 w/1 to 5 #22 5 #18 w/1 #20 1 #20 w/4 or 5 #22 2 #20 w/3 to 5 #22 3 #20 w/3 to 5 #22 4 #20 w/3 to 5 #22 5 #20 w/1 to 5 #22
<b>Crimp Connector</b> <b>NC-2212</b> <b>Stranded Only</b>		1 #12 w/1 or 2 #16 3 #12 w/1 or 2 #16 3 #12 w/1 #14 2 to 6 #14 1 #14 w/3 to 5 #18 1 #14 w/2 to 5 #16 2 #14 w/2 to 4 #20 2 #14 w/1 to 4 #16 3 #14 w/2 or 3 #20 3 #14 w/1 to 3 #16 4 #14 w/1 or 2 #16 5 #14 w/1 #16 2 #16 or #18 4 to 6 #16 1 #16 w/3 to 5 #18 2 #16 w/2 to 4 #18 3 #16 w/1 to 3 #18 4 #16 w/1 or 2 #18 5 #16 w/1 #18 2 #18 2 or 3 #16 2 to 5 #18 2 to 6 #20 2 to 6 #22 5 #20 w/1 #22 1 #14 w/1 #22 1 #14 w/1 to 3 #20 1 #14 w/1 or 2 #18 1 #14 w/1 #16 1 #16 w/1 to 5 #22 1 #16 w/1 to 4 #20 1 #16 w/1 to 3 #18 2 #16 w/1 to 3 #22 2 #16 w/1 or 2 #18 or #20 1 #18 w/1 to 5 #20 or #22 2 #18 w/1 to 3 #20 or #22 3 #18 w/1 to 3 #22 3 #18 w/1 or 2 #20 4 #18 w/1 #20 or #22 1 #20 w/1 to 5 #22 2 #20 w/1 to 4 #22 3 #20 w/1 to 3 #22 4 #20 w/1 or 2 #22 5 #20 w/1 #22 1 #14 w/1 #18 w/1 to 3 #22 1 #14 w/1 #18 w/1 or 2 #20 1 #16 w/1 #20 w/2 #22 1 #16 w/2 #18 w/1 or 2 #22 1 #16 w/2 #18 w/1 #20 1 #16 w/1 #18 w/1 or 2 #20 w/1 #22 1 #16 w/1 #18 w/1 #20 w/2 #22 2 #16 w/1 #18 w/1 #20 or #22 1 #18 w/1 to 4 #20 w/1 #22 1 #18 w/1 #20 w/2 to 4 #22 1 #18 w/2 #20 w/2 or 3 #22 1 #18 w/3 #20 w/2 #22 2 #18 w/1 to 3 #20 w/1 #22 2 #18 w/1 #20 w/1 to 3 #22 3 #18 w/1 #20 w/1 #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 Crimp Connectors		
Model		600 Volt Maximum
<b>NC-1610</b> Stranded Only	2 #14	1 #14 w/1 or 2 #16
	2 or 3 #16	1 #16 w/1 to 4 #18
<b>NC-8</b> Stranded Only	3 to 6 #18	2 #16 w/1 to 3 #18
	1 #12 w/1 or 2 #18	3 #16 w/1 #18
	1 #12 w/1 #16	
	1 #14 w/1 to 3 #18	
		1 #14 w/1 #16 w/1 #18 1 #18 sol w/2 #18 str.
		2 #10 2 or 3 #12 3 to 5 #14 4 to 7 #16 7 to 12 #18 1 #8 w/1 #14, #16 or #18 1 #8 w/2 #18 1 #10 w/1 #12 1 #10 w/2 #14 1 #10 w/1, 2 or 4 #16 (no 3 #16's) 1 #10 w/1 to 6 #18 1 #12 w/3 to 8 #18 1 #12 w/2 to 5 #16 1 #12 w/1 to 4 #14 2 #12 w/1 to 4 #14
		2 #12 w/1 to 3 #16 2 #12 w/2 #14 1 #14 w/4 to 10 #18 1 #14 w/3 to 6 #16 2 #14 w/2 to 7 #18 2 #14 w/1 to 4 #16 3 #14 w/1 to 5 #18 3 #14 w/1 to 3 #16 4 #14 w/1 or 2 #18 1 #16 w/5 to 11 #18 2 #16 w/4 to 9 #18 3 #16 w/2 to 7 #18 4 #16 w/1 to 6 #18 5 #16 w/1 to 4 #18 6 #16 w/1 #18

IDEAL Crimp Connectors		
Model	300 Volt Maximum	600 Volt Maximum
<b>410</b>		2 #14 str. 5 to 10 #18 3 to 7 #16 1 #14 sol w/1 #14 str. 3 to 6 #14 2 to 4 #12 2 #10 str. 1 #10 sol w/1 #10 str. 1 #14 w/1 to 3 #12 1 #14 w/1 or 2 #12 w/1 #10 2 #14 w/1 or 2 #12 2 #14 w/1 #10 w/1 #12 3 #14 w/1 or 2 #12 3 #14 w/1 #10 1 #12 w/1 to 4 #14 2 #12 w/1 to 3 #14 2 #12 w/1 #10 2 #10 w/1 or 2 #14 2 #10 w/1 #12 1 #10 w/1 to 4 #14 1 #10 w/1 #12 1 #10 w/2 #12 1 #10 str. or sol w/1 or 2 or 4 to 7 #18 (no combinations with 3 #18) 1 #10 str. or sol w/1 to 6 #16 str. 1 #10 str. w/1 to 6 #16 sol 1 #12 w/1 to 9 #18 or 1 to 7 #16 2 #12 w/1 to 6 #18 or 1 to 4 #16 3 #12 w/1 to 3 #18 or #1 or 2 #16 1 #14 w/1 to 9 #18 1 #14 w/1 to 7 #16 2 #14 w/1 to 8 #18 or 1 to 5 #16 3 #14 w/1 to 5 #18 3 #14 w/1 to 4 #16 4 #14 w/1 to 3 #18 or 1 or 2 #16 1 #16 w/3 to 7 #18 2 #16 w/2 to 8 #18 3 #16 w/1 to 7 #18
		4 #16 w/1 to 5 #18 5 #16 w/1 to 4 #18 6 #16 w/1 or 2 #18 7 #16 w/1 #18 1 #10 w/1 #18 w/5 #16 1 #10 w/1 to 3 #18 w/4 #16 1 #10 w/1 to 4 #18 w/3 #16 1 #10 w/1 to 6 #18 w/2 #16 1 #10 w/1 to 8 #18 w/1 #16 2 #10 w/1 or 2 #16 2 #10 w/1 or 2 #18 w/1 #16 2 #10 w/1 to 4 #18 1 #12 w/1 or 2 #18 w/6 #16 1 #12 w/1 to 3 #18 w/5 #16 1 #12 w/1 to 4 #18 w/4 #16 1 #12 w/1 to 5 #18 w/3 #16 1 #12 w/1 to 6 #18 w/2 #16 1 #12 w/1 to 8 #18 w/1 #16 2 #12 w/1 #18 w/4 #16 2 #12 w/1 to 3 #18 w/3 #16 2 #12 w/1 to 4 #18 w/2 #16 2 #12 w/1 to 5 #18 w/1 #16 3 #12 w/1 or 2 #18 w/1 #16 1 #14 w/1 #18 w/6 #16 1 #14 w/1 or 2 #18 w/5 #16 1 #14 w/1 to 4 #18 w/4 #16 1 #14 w/1 to 5 #18 w/3 #16 1 #14 w/1 to 7 #18 w/2 #16 1 #14 w/1 to 8 #18 w/1 #16 2 #14 w/1 #18 w/4 #16 2 #14 w/3 #18 w/3 #16 2 #14 w/5 #18 w/2 #16 2 #14 w/7 #18 w/1 #16 3 #14 w/1 or 2 #18 w/3 #16 3 #14 w/1 to 4 #18 w/2 #16 3 #14 w/1 to 5 #18 w/1 #16 4 #14 w/1 or 2 #18 w/1 #16

### 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 Crimp Connectors					
Model	300 Volt Maximum	600 Volt Maximum			
411		2 #8	3 #10 w/1 or 2 #18	4 #12 w/1 #18	
		2 #8 w/1 #12	2 #10 w/1 to 3 #12	3 #12 w/1 or 2 #14	
		2 #8 w/1 or 2 #14	2 #10 w/1 to 3 #14	3 #12 w/1 or 2 #16	
		1 #8 w/1 or 2 #10	2 #10 w/1 to 3 #16	3 #12 w/1 or 2 #18	
		1 #8 w/1 to 3 #12	2 #10 w/1 to 3 #18	2 #12 w/2 or 3 #14	
		1 #8 w/1 to 4 #14	1 #10 w/2 to 4 #12	2 #12 w/3 #16	
		2 or 3 #10	1 #10 w/3 or 4 #14	1 #12 w/4 #14	
		4 #10 sol	1 #10 w/4 #16	5 #14	
		3 #10 w/1 #12	3 to 5 #12		
		3 #10 w/1 or 2 #14	4 #12 w/1 #14		
		3 #10 w/1 or 2 #16	4 #12 w/1 #16		
	412		1 #4 w/1 to 3 #14	3 #10 w/1 to 4 #18	1 #14 w/1 to 6 #16
			1 #4 w/1 or 2 #12	3 #10 w/1 to 4 #16	2 #14 w/1 to 5 #18
		1 #4 w/1 #10	3 #10 w/1 to 4 #14	2 #14 w/1 to 5 #16	
		1 #4 w/1 #8	3 #10 w/1 to 3 #12	3 #14 w/2 to 4 #18	
		1 #6 w/1 to 6 #14	4 #10 w/1 to 3 #18	3 #14 w/1 to 3 #16	
		1 #6 w/1 to 5 #12	4 #10 w/1 to 3 #16	4 #14 w/1 to 3 #18	
		1 #6 w/1 to 3 #10	4 #10 w/1 to 3 #14	4 #14 w/1 to 3 #16	
		1 #6 w/1 or 2 #8	4 #10 w/1 or 2 #12	5 #14 w/1 or 2 #18	
		2 #6 w/1 #14	1 #12 w/1 to 6 #18	5 #14 w/1 or 2 #16	
		2 #6 w/1 #12	1 #12 w/1 to 6 #16	6 #14 w/1 #18	
		1 #8 w/1 to 5 #14	1 #12 w/1 to 6 #14	6 #14 w/1 #16	
		1 #8 w/1 to 5 #12	2 #12 w/1 to 5 #16	1 #16 w/4 to 6 #18	
		1 #8 w/1 to 3 #10	2 #12 w/1 to 5 #16	2 #16 w/2 to 5 #18	
		2 #8 w/1 to 5 #14	2 #12 w/1 to 5 #14	3 #16 w/1 to 4 #18	
		2 #8 w/1 to 3 #12	3 #12 w/1 to 3 #18	4 #16 w/1 to 3 #18	
		2 #8 w/1 or 2 #10	3 #12 w/1 to 3 #16	5 #16 w/1 or 2 #18	
		1 #10 w/1 to 6 #18	3 #12 w/1 to 4 #14	6 #16 w/1 #18	
		1 #10 w/1 to 6 #16	4 #12 w/1 to 3 #18	2 #6	
		1 #10 w/1 to 5 #14	4 #12 w/1 to 3 #16	2 or 3 #8	
		1 #10 w/1 to 5 #12	4 #12 w/1 to 3 #14	2 to 5 #10	
		2 #10 w/1 to 5 #18	5 #12 w/1 or 2 #18	2 to 6 #12	
		2 #10 w/1 to 5 #16	5 #12 w/1 or 2 #16	2 to 7 #14	
		2 #10 w/1 to 5 #14	5 #12 w/1 or 2 #14	3 to 7 #16	
		2 #10 w/1 to 5 #12	1 #14 w/2 to 6 #18	5 to 7 #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.

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

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

### UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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Buchanan Wire Connectors			
Model	600 Volt Maximum		
<b>BGR, WGR</b>	2 OR 3 NO 10 2 NO. 10 W/ 1 OR 2 NO. 12 2 NO. 10 W/ 1 NO. 12 1/ 1 NO.14 2 NO. 10 W/ 1, 2 OR 3 NO. 14 1 NO. 10 W/ 1, 2 OR 3 NO. 12	1 NO. 10 W/ 1-4 NO. 14 1 NO. 10 W/ 1-3 NO. 12 W/ 1 NO. 14 1 NO. 10 W/ 1 OR 2 NO. 12 W/ 1 OR 2 NO. 14 1 NO. 10 W/ 1 NO. 12 W/ 1-3 NO. 14 2-5 NO. 12	4 NO 12 W/ 1 NO.14 3 NO. 12 W/ 1 OR 2 NO. 14 2 #12 W/ 1-3 #14 1 #12 W/ 1-4 #14 2-5 # 14

<b>2006S</b>	2 #18 STRANDED THROUGH 10 #18 SOILD OR STRANDED #18 W 1-6 #16 OR 1-5 #15 OR 1-3 #12 OR 1 #10 2 #18 stranded w/ 1-5 #16 or 1-5 #14 or 1-3 #12 or 1 #10 3 #18 w/ 1-5 #16 or 1-4 #14 or 1-2 #12 4 #18 w/ 1-4 #16 or 1-3 #14 or 1-2 #12 or 1 #10 5 #18 w/ 1-3 #16 or 1-2 #14 or 1 # 12 or 1 #10 6 #18 w/ 1-3 #16 or 1-2 #14 or 1 #12	7 #18 w/ 1-2 # 16 or 1 #14 8 #18 w/ 1 #16 2-7 # 16 1 #16 w/ 1-4 # 14 or 1-3 # 12 or 1 #10 2 #16 w/ 1-3 #14 or 1-2 #12 or 1 #10 3 #16 w/ 1-2 #14 or 1 #12 or 1 #10 4 #16w/ 1 #14 or 1 #12 2-5 #14 1 #14 w/ 1-3 #12 or 1 #10 2 #14 w/ 1-2 # 12 or 1 #10 3 #14 w/ 1 #12 2-4 #12 1 #12 w/ 1 #10 2 # 10	1 #14 w/ 1 #12 and 1 #10 2 #14 w/ 1 #12 and 1 #10 1 #10 w/ 5 #16 and 1 #18 1 #10 w/ 4 #16 and 1-3 #18 2 #10 w/ 1 #16 and 1# 18	1 #12 w/ 5 #16 and 1-3 #18 1 #12 w/ 4 #16 and 1-4 #18 1 #12 w/ 3 #16 and 1-5 #18 1 #12 w/ 2 #16 and 1-6 #18 1 #12 w/ 1 #16 and 1-8 #18 2 #12 w/ 4 #16 and 1 #18 2 #12 w/ 2 #16 and 1-4 #18 2 #12 w/ 1 #16 and 1-5 #18 3 #12 w/ 1 #16 and 1-2 #18 1 #14 w/ 6 #16 and 1 #18 1 #14 w/ 5 #16 and 1-2 #18 1 #14 w/ 4 #16 and 1-4 #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	2 #14 w/3 #16 and 3 #18 2 #14 w/2 #16 and 5 #18 2 #14 w/1 #16 and 7 #18 3 #14 w/3 #16 and 1-2 #18 3 #14 w/2 #16 and 1-4 #18 3 #14 w/1 #16 and 1-5 #18 4 #14 w/1 #16 and 1-2 #18
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<b>2011S</b>	STRANDED WIRE 5-11 # 14 3-7 #12 2-5 #10 2-3 #8 2 #6	Combination Stranded Wire 1-3 #14 w/ 3-5 #12 1-3 #14 w/ 3 or 4 #10 1 or 2 #12 w/ 3 or 4 #10 1-3 #12 w/ 5-8 #14 2 or 4 # 14 w/ 1 #8 or 1 #10 1 #8 w/ 1 #10	Solid Wire 4-10 # 14 3-6 #12 2-4 #10 2 # 8	Combination of Stranded and Solid Wire 1-3 #14 w/ 3-5 #12 1-3 #14 w/ 3-4 #10 1-2 #12 w/ 3-4 #10 1-3 #12 w/ 5-8 #14 1 #4 stranded w/1 #8 or 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
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<b>2008S</b>	2-10 #18 1 #18 w/ 1-6 #16 or 1-5 # 14 or 1-3 #12 or 1 #10 2 #18 w/ 1-5 #16 or 1-5 #14 or 1-3 #12 or 1 #10 2 #16 w/ 1-3 #14 or 1-2 #12 or 1 #10 3 #16 w/ 1-2 #14 or 1 #12 or 1 #10 4 #16 w/ 1 #14 or 1#12 2-5 #14 1 #14 w/ 1-3 #12 or 1#10 2 #14 w/ 1-2 #12 or 1 #10 3 #14 w/ 1 #12 2-4 #12 1 #12 w/ 1 #10 2 #10	1 #14 w/ 1 #12 and 1 #10 2 #14 w/ 1 #12 and 1 #10 1 #10 w/ 5 #16 and 1 #18 1 #10 w/ 4 #16 and 1-3 #18 2 #10 w/ 1 #16 and 1 #18 1 #12 w/ 5 #16 and 1-3 #18 1 #12 w/ 4 #16 and 1-4 #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 1 #14 w/ 6 #16 and 1 #18 1 #14 w/ 5 #16 and 1-2 #18 1 #14 w/ 4 #16 and 1-4 #18 1 #14 w/ 3 #16 and 1-5 #18	1 #14 w/ 2 #16 and 1-7 #18 1 #14 w/ 1 #16 and 1-8 #18 2 #14 w/ 4 #16 and 1 #18 2 #14 w/ 3 #16 and 3 #18 2 #14 w/ 2 #16 and 5 #18 2 #14 w/ 1 #16 and 7 #18 3 #14 w/ 3 #16 and 1-2 #18 3 #14 w/ 2 #16 and 1-4 #18 3 #14 w/ 1 #16 and 1-5 #18 4 #14 w/ 1 #16 and 1-2 #18
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### UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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

Termend Lugs		
Model		
<b>16-8</b>	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
<b>WT-51</b>	2-4 # 18	3#14 w/ 1 #16
	2-4 #16	3 #14 w/ 1 #18
	1 #16 w/ 1-5 #18	1 #12 1-5 #18
	2 #16 w/ 1-4 #18	1 #12 w/ 1-3 #16
	3 #16 w/ 1-3 #18	1 #12 w/ 1-2 #14
	4 #16 w/ 1-2 #18	2 #12 w/ 1-2 #18
	1-3 #14	2 #12 w/ 1 #16
	1 #14 w/ 1-5 #18	2 #12 w// 1 #14
	1 #14 w/ 1-4 #16	1-3 #12
	2 #14 w/ 1-3 #18	1 #10 w/ 1-3 #18
	2 #14 w/ 1-3 #16	1 #10 w/ 1-2 #16
	3 #14 w/ 1-2 #18	1 #10 w/ 1-2 #14
		1 #10 w/ 1 #12
		1 #10

### UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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

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	

### UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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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	

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



### UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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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	

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

### 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.

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