



**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> Strip solid wires ¼"; Strip stranded wires 5/16"	1 #14	1 #16 w/1 to 3 #22		
	1 to 2 #16	1 #16 w/1 #20 w/1 #18 or #20		
	1 #18 str.	1 #18 w/1 to 3 #20		
	2 to 3 #18	1 #18 w/1 to 4 #22		
	2 to 4 #20	1 to 2 #18 w/1 #20 w/1 #22		
	2 #22 str.	2 #18 w/1 #20		
	3 to 4 #22	2 #18 w/1 to 2 #22		
	5 #22 sol	1 #20 w/1 to 4 #22		
	1 #14 w/1 #20 or #22	2 #20 w/1 to 3 #22		
	1 #16 w/1 #18	3 #20 w/1 to 2 #22		
1 #16 w/1 to 2 #20	4 #20 w/1 #22			
Model	300 Volt Maximum		600 Volt Maximum	
<b>72B®</b> Strip wires 3/8"; Strip wires #16 and smaller ½"	1 #14 str.	2 #16 w/1 to 3 #22		
	1 #16 str.	1 #16 w/1 to 3 #18		
	2 to 3 #16	1 #16 w/ 1 #18 w/ 1 #20		
	1 #18 str.	1 #16 w/1 to 4 #20 or #22		
	2 to 4 #18	4 #18 w/1 #20 or #22		
	2 to 5 #20	3 #18 w/1 to 2 #20 or #22		
	2 #22	2 #18 w/1 to 3 #20 or #22		
	1 #14 w/1 #16	1 #18 w/1 to 4 #20 or #22		
	1 #14 w/1 to 2 #18	4 #20 w/1 #22		
	1 #14 w/1 to 3 #20	3 #20 w/1 to 2 #22		
1 #14 w/1 to 4 #22	2 #16 w/1 #20 w/1 #22			
2 #16 w/1 #18	1 #16 w/1 #22 w/1 #18 or #20			
2 #16 w/1 to 2 #20	1 to 2 #18 w/1 #20 w/1 #22			
Model	300 Volt Maximum		600 Volt Maximum	
<b>73B®</b> Strip wires 5/16"; Strip wires #16 and smaller strip 3/8"	3 to 4 #16	3 #16 w/1 #18	1 to 2 #14	2 #16 w/1 to 3 #22
	5 #18	3 #16 w/1 to 2 #20 or #22	1 #16 str.	2 #16 w/1 #18
	3 to 5 #20	4 #16 w/1 #20 or #22	2 #16	1 to 2 #16 w/1 #20 w/1 #22
	5 #22	1 #18 w/1 #20	1 #18 str.	1 #16 w/1 #18 w/1 #22
	1 #14 w/2 #16	4 #18 w/1 #20 or #22	2 to 4 #18	2 #18 w/1 to 2 #20 or #22
	1 #14 w/1 #16 w/1 #18	3 #18 w/2 #20 or #22	1 #14 w/1 to 2 #18	1 #18 w/2 to 4 #20
	1 #14 w/3 #18	2 #18 w/3 #22	1 #14 w/1 to 3 #20	1 #18 w/ 3 to 4 #22
	1 #14 w/4 #20	1 #18 str. w/5 #22 str.	1 #14 w/1 to 3 #22	3 #18 w/1 #20 or #22
	2 #14 w/1 #18	4 #20 w/1 #22	1 #14 w/1 #16 w/1 #18	1 to 2 #18 w/1 #20 w/1 #22
	2 #14 w/1 to 3 #20 or #22	3 #20 w/1 to 2 #22	1 #14 w/1 #16	
	1 #16 w/4 #18	2 #20 w/2 to 3 #22	1 #16 w/1 to 2 #18	
	2 #16 w/2 to 3 #18	1 #20 w/4 #22	1 #16 w/1 to 3 #20 or #22	
	2 #16 w/3 #20		2 #16 w/1 to 2 #20	



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IDEAL Wire-Nut® Wire Connectors		
Model	300 Volt Maximum	600 Volt Maximum
74B® Strip wires 3/8"; Strip #16 and smaller 7/16"	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 to 2 #14, #16 or #18 1 #10 w/3 to 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 to 2 #14 2 #12 w/1 to 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 to 2 #16 3 #14 w/1 to 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 to 2 #18, #20 or #22 4 #16 w/1 to 2 #18, #20 or #22 1 #18 w/3 to 4 #20 or #22 2 #18 w/3 #20 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 to 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 to 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 to 3 #20 or #22 1 #16 w/1 #18 w/3 to 4 #22 1 #16 w/2 #20 w/2 #22 2 #16 w/1 #18 w/1 to 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> Strip wires #14 and larger 7/16"; strip wires #16 and smaller 1/2"	2 #8 str		1 #6 or #8	2 #12 w/1 to 3 #14
	3 #10		1 to 2 #10	1 #12 w/3 to 4 #22
	5 #12		1 to 4 #12	1 #12 w/2 to 4 #18 or #20
	1 #6 w/1 to 2 #16		2 to 5 #14	1 #12 w/1 to 4 #14 or #16
	1 #6 w/1 #14		4 to 6 #16	1 #12 w/1 #20 w/2 to 4 #22
	1 #6 w/1 #12		1 #8 w/1 to 3 #16	2 #12 w/1 #14 w/1 to 3 #20 or #22
	1 #6 w/1 #14 w/1 to 4 #22		1 #8 w/1 to 2 #14	1 #12 w/2 #20 w/1 to 3 #22
	1 #6 w/1 #14 w/1 to 2 #18		1 #8 w/1 #12	1 #12 w/ #18 w/1 to 4 #20 or #22
	1 #6 w/1 #14 w/1 #16		1 #8 w/1 #14 w/1 to 4 #20	1 #12 w/1 #16 w/1 to 4 #20 or #22
	1 #8 w/4 #16		1 #8 w/1 to 4 #18, #20 or #22	1 #12 w/1 #16 w/1 to 4 #18
	1 #8 w/3 #14		1 #8 w/1 #14 w/1 to 2 #16	1 #12 w/1 #14 w/1 to 4 #16, #18, #20 or #22
	1 #8 w/2 #12		1 #8 w/1 #12 w/1 #16 or #18	
	1 #8 w/1 #10		1 #10 w/1 to 4 #16, #18, #20 or #22	1 #12 w/2 #14 w/1 to 3 #16
	1 #8 w/1 #14 w/4 #18		1 #10 w/5 #16	2 #12 w/1 to 3 #20 or #22
	1 #8 w/1 #14 w/3 to 4 #16		1 #10 w/1 to 3 #14	2 #12 w/1 to 2 #16 or #18
	1 #8 w/1 #12 w/1 to 4 #16 or #18		1 #10 w/1 to 2 #12	2 #12 w/1 to 2 #20 w/1 to 2 #22
	1 #8 w/1 #12 w/1 to 2 #14		1 #10 w/1 to 2 #20 w/1 to 3 #22	2 #12 w/1 #18 w/1 to 3 #20 or #22
	1 #8 w/2 #12 w/1 to 2 #18		1 #10 w/1 #18 w/1 to 4 #20 or #22	2 #12 w/1 #16 w/1 to 3 #20 or #22
	1 #8 w/2 #12 w/1 #14 to #16		1 #10 w/1 #16 w/1 to 4 #20 or #22	2 #12 w/1 #16 w/1 to 3 #18
	1 #8 w/1 #10 w/1 #12 to #14		1 #10 w/1 #16 w/1 to 4 #18	2 #12 w/1 #14 w/1 to 3 #18 or #16
	1 #10 w/4 #14		1 #10 w/1 #14 w/1 to 4 #18, #20 or #22	3 #12 w/1 #16 w/1 to 2 #18
	1 #10 w/3 #12			3 #12 w/1 #14
	1 #10 w/2 #14 w/3 #16		1 #10 w/1 #14 w/1 to 4 #16	3 #12 w/1 #14 w/1 #20
	1 #10 w/1 #12 w/4 #16		1 #10 w/2 #14 w/1 to 2 #16	3 #12 w/1 #14 w/1 to 2 #22
	1 #10 w/1 #12 w/3 to 4 #14		1 #10 w/1 #12 w/1 to 4 #18	3 #12 w/1 #14 w/1 #18
	1 #10 w/2 #12 w/2 to 3 #16 or #18		1 #10 w/1 #12 w/1 to 3 #16	3 #12 w/1 to 2 #20 or #22
	1 #10 w/2 #12 w/1 to 2 #14		1 #10 w/1 #12 w/1 to 2 #14	3 #12 w/1 to 3 #18
	2 #10 w/3 #16		1 #10 w/2 #12 w/1 #16 or #18	3 #12 w/1 to 2 #16
	2 #10 w/2 to 3 #14		2 #10 w/1 to 3 #18	3 #12 w/1 #20 w/1 to 2 #22
	2 #10 w/1 to 2 #12		2 #10 w/2 #16	3 #12 w/2 #20 w/1 #22
	2 #10 w/1 #16 w/2 to 3 #18		2 #10 w/1 #14	3 #14 w/1 #16 w/1 to 2 #18
	2 #10 w/1 #14 w/2 to 3 #20 or #22		2 #10 w/1 #16 w/1 #18	4 #14 w/1 #18, #20 or #22
	2 #10 w/1 #14 w/1 to 3 #18		2 #10 w/1 #14 w/1 #20 or #22	4 #14 w/2 #18
	2 #10 w/2 #14 w/1 #16		3 #12 w/1 #18 w/1 to 2 #22 or #22	4 #14 w/1 #16
	2 #10 w/1 #12 w1 to 3 #18		3 #12 w/1 #16 w/1 to 2 #22 or #20	5 #14 w/1 #18
	2 #10 w/1 #12 w/1 to 2 #16		2 #12 w/2 #14 w/1 #16	1 #16 w/4 #18
	3 #10 w/1 #16 or #18		1 #14 w/3 to 4 #18	2 #16 w/3 #20
	2 #12 w/1 #14 w/3 #16		1 #14 w/2 #20 w/3 #22	2 #16 w/3 to 4 #18
	2 #12 w/2 #14 w/2 #16		1 #14 w/1 #18 w/4 #22	2 #16 w/1 #20 w/3 #22
	3 #12 w/2 #14		1 #14 w/1 #18 w/3 to 4 #20	2 #16 w/2 #20 w/2 #22
	3 #12 w/3 #16		1 #14 w/1 #16 w/2 to 4 #20	2 #16 w/1 #18 w/3 #22
	3 #12 w/1 #16 w/2 #18		1 to 2 #14 w/1 #16 w/1 to 3 #18	2 #16 w/1 #18 w/2 to 3 #20
	3 #12 w/1 #14 w/1 to 2 #16		2 #14 w/2 to 4 #16	3 #16 w/1 to 2 #18, #20 or #22
	3 #12 w/1 #14 w/1 #18		2 #14 w/1 to 2 #20 w/1 to 2 #22	3 #16 w/1 to 2 #20 w/1 #22
	3 #12 w/2 #14 w/1 #16		2 #14 w/1 #18 w/1 to 3 #20 or #22	3 #16 w/1 #18 w/1 to 2 #20 or #22
	4 #12 w/1 #14, #16, #18, #20 or #22		2 #14 w/1 #16 w/1 to 3 #20 or #22	4 #16 w/1 to 2 #22
			3 #14 w/1 to 2 #16, #18, #20 or #22	4 #16 w/1 #18 or #20
		3 #14 w/1 #18 w/1 to 2 #20 or #22	4 to 5 #16 w/1 #22	



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<b>IDEAL Wire-Nut® Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>59B®</b> Strip wires 1/2"	1 #12 1 to 3 #14 2 to 4 #16 2 to 6 #18 2 to 6 #20 4 to 6 #22 1 #12 w/1 to 3 #18 1 #12 w/1 to 2 #16 1 #12 w/1 #14 1 #14 w/1 to 5 #18, #20 or #22 1 #14 w/1 to 3 #16 1 #14 w/1 #20 w/1 to 2 #22	1 #14 w/1 #18 w/1 to 2 #22 1 #14 w/1 #16 w/1 #20 or #22 2 #14 w/1 to 4 #20 or #22 2 #14 w/1 to 2 #18 2 #14 w/1 #16 2 #14 w/1 #20 w/1 to 2 #22 2 #14 w/1 #18 w/1 to 2 #22 2 #14 w/1 #16 w/1 #20 or #22 1 #16 Stranded OR 1#18 Str. 1 #16 w/1 to 5 #18, #20 or #22 1 #16 w/1 #20 w/1 to 2 #22 1 #16 w/1 #18 w/1 to 2 #22	2 #16 w/1 to 4 #18, #20 or #22 2 #16 w/1 #20 w/1 to 2 #22 2 #16 w/1 #18 w/1 to 2 #22 3 #16 w/1 to 3 #20 or #22 3 #16 w/1 to 2 #18 3 #16 w/1 #20 w/1 to 2 #22 3 #16 w/1 #18 w/1 to 2 #22 4 #16 w/1 to 2 #22 4 #16 w/1 #18 or #20 4 #16 w/1 #20 w/1 #22 3 #18 w/1 to 3 #20 or #22 3 #18 w/1 #20 w/1 to 2 #22	4 #18 w/1 to 2 #22 or #20 4 #18 w/1 #20 5 #18 w/1 #20 w/1 #22 1 #18 w/1 to 4 #20 or #22 1 #18 w/1 #20 w/1 to 2 #22 2 #18 w/1 to 4 #20 or #22 2 #18 w/1 #20 w/1 to 2 #22 1 #20 w/2 to 5 #22 2 #20 w/1 to 4 #22 3 #20 w/1 to 3 #22 4 #20 w/1 to 2 #22 5 #20 w/1 #22
<b>IDEAL Wing-Nut® Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>451®</b> Strip wires 3/8"	1 #10 1 to 3 #12 1 to 3 #14 2 to 4 #16 2 to 4 #18 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 1 #12 w/1 to 5 #18 1 #12 w/1 to 3 #16 1 #12 w/1 to 2 #14 2 #12 w/1 to 2 #18 2 #12 w/1 #16	2 #12 w/1 #14 1 #14 w/1 to 5 #18 1 #14 w/1 to 4 #16 2 #14 w/1 to 3 #18 2 #14 w/1 to 3 #16 3 #14 w/1 #16 3 #14 w/1 to 2 #18	1 #16 w/1 to 5 #18 2 #16 w/1 to 4 #18 3 #16 w/1 to 3 #18 4 #16 w/1 to 2 #18
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>452® &amp; 344®</b> <b>Twister®</b> Strip wires 1/2"	1 #6 1 to 2 #8 1 to 4 #10 1 to 5 #12 1 to 6 #14, #16 2 to 6 #18 3 to 6 #20 4 to 6 #22 1 #6 w/1 to 2 #12 1 #6 w/1 #10 1 #6 w/2 #14 w/1 to 2 #16 1 #6 w/1 #12 w/1 to 2 #14 1 #6 w/2 #12 w/1 #18 1 #6 w/1 #10 w/1 #14 1 #8 w/1 to 5 #16 1 #8 w/1 to 4 #14 1 #8 w/1 to 3 #12 1 #8 w/2 #12 w/1 to 2 #14 1 #8 w/1 to 2 #10 1 #8 w/1 #10 w/1 to 2 #14, #12 1 #8 w/2 #10 w/1 #14 1 #10 w/1 to 5 #18, #16 or #14 1 #10 w/1 or 4 #12 1 #10 w/1 #16 w/1 to 4 #18 1 #10 w/1 #14 w/1 to 4 #16 or #18 1 #10 w/2 #14 w/1 to 3 #16 1 #10 w/1 #12 w/1 to 4 #14 1 #10 w/1 #12 w/1 to 4 #16 or #18	1 #10 w/2 #12 w/1 to 3 #16 1 #10 w/2 #12 w/1 to 3 #18 1 #10 w/2 #12 w/1 to 2 #14 1 #10 w/3 #12 w/1 #14 2 #10 w/1 to 4 #18 or #16 2 #10 w/1 to 3 #14 or #12 2 #10 w/1 #16 w/1 to 3 #18 2 #10 w/2 #14 w/1 to 2 #16 2 #10 w/1 #12 w/1 to 3 #16 2 #10 w/1 #12 w/1 to 2 #14 2 #10 w/2 #12 w/1 to 2 #18 2 #10 w/2 #12 w/1 to 2 #16 2 #10 w/2 #12 w/1 #14 3 #10 w/1 to 3 #18 3 #10 w/1 to 3 #16 3 #10 w/1 to 2 #14 3 #10 w/1 #16 w/1 to 2 #18 3 #10 w/1 #14 w/1 to 2 #18 3 #10 w/1 #14 w/1 #16 3 #10 w/1 #12 w/1 #18 3 #10 w/1 #12 w/1 #16 1 #12 w/1 to 5 #18, #16 or #14 1 #12 w/1 #16 w/1 to 3 #18 2 #12 w/1 #16 w/1 to 3 #18 1 #12 w/1 #14 w/1 to 3 #18 1 to 2 #12 w/1 #14 w/1 to 3 #16 2 #12 w/1 #14 w/1 to 3 #18 1 #12 w/2 #14 w/1 to 2 #16 2 #12 w/2 #14 w/1 to 2 #16	2 #12 w/1 to 4 #18, #16 or #14 3 #12 w/1 to 3 #18, #16 or #14 3 #12 w/1 #16 w/1 to 2 #18 3 #12 w/1 #14 w/1 to 2 #18 3 #12 w/1 #14 w/1 to 2 #16 3 #12 w/1 #14 w/1 #16 4 #12 w/1 to 2 #16 4 #12 w/1 #14 4 #12 w/1 #16 w/1 #18 4 #12 w/1 #14 w/1 #18 or #16 1 #14 w/1 to 5 #22 or #20 1 #14 w/1 to 5 #18 or #16 1 #14 w/1 #16 w/1 to 3 #18 2 #14 w/1 #16 w/1 to 3 #18 2 #14 w/1 to 4 #22 or #20 2 #14 w/1 to 4 #18 or #16 3 #14 w/1 to 3 #22 or #20 3 #14 w/1 to 3 #18 or #16 3 #14 w/1 #16 w/1 to 2 #18 4 #14 w/1 to 2 #22 4 #14 w/1 to 2 #20, #18 or #16 4 #14 w/1 #16 w/1 #18 5 #14 w/1 #18 or #16 1 #16 w/1 to 5 #22, #20 or #18 1 #16 w/1 #20 w/1 to 2 #22 1 #16 w/2 #20 w/1 to 2 #22 2 #16 w/1 #20 w/1 to 2 #22 2 #16 w/2 #20 w/1 to 2 #22 1 #16 w/1 #18 w/1 to 3 #22 1 #16 w/1 #18 w/1 to 3 #20	2 #16 w/1 #18 w/1 to 3 #22 2 #16 w/1 #18 w/1 to 3 #20 2 #16 w/1 to 4 #22, #22 or #18 3 #16 w/1 to 3 #22, #20 or #18 3 #16 w/1 to 2 #22 w/1 #20 3 #16 w/1 #18 w/1 to 2 #22 3 #16 w/1 #18 w/1 to 2 #20 4 #16 w/1 to 2 #22, #20 or #18 4 #16 w/1 #22 w/1 #20 4 #16 w/1 #18 w/1 #22 4 #16 w/1 #18 w/1 #20 5 #16 w/1 #22, #20 or #18 1 #18 w/1 to 5 #22 or #20 1 #20 w/1 #22 w/1 to 3 #18 1 #20 w/2 #22 w/1 to 3 #18 2 #20 w/1 #22 w/1 to 3 #18 2 #18 w/1 to 4 #22, #20 3 #18 w/1 to 3 #22 or #20 4 #18 w/1 to 2 #22 or #20 5 #18 w/1 #22 or #20 1 #20 w/2 to 5 #22 2 #20 w/1 to 4 #22 3 #20 w/1 to 3 #22 4 #20 w/1 to 2 #22 5 #20 w/1 #22



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<b>IDEAL Wing-Nut® Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>454®</b> Strip wires 7/8"	1 to 2 #6 2 to 3 #8 2 to 5 #10 3 to 6 #12 5 or 6 #14 1 #8 w/1 to 5 #14 or #12 1 #8 w/1 to 4 #10 1 #10 w/3 to 5 #14 1 #12 w/4 to 5 #14 2 #12 w/2 to 4 #14 3 #12 w/1 to 3 #14 4 #12 w/1 #14 1 #6 w/1 to 4 #14 1 #6 w/1 to 5 #12 1 #6 w/1 to 3 #10 1 #6 w/1 to 2 #8	2 #6 w/1 #14 or #12 1 #6 w/1 #12 w/1 to 4 #14 1 #6 w/2 #12 w/1 to 3 #14 1 #6 w/3 #12 w/1 to 2 #14 1 #6 w/4 #12 w/1 #14 1 #6 w/1 #10 w/1 to 4 #14 1 #6 w/1 #10 w/1 to 3 #12 1 #6 w/2 #10 w/1 to 2 #14 1 #6 w/2 #10 w/1 #12 1 #6 w/1 #8 w/1 to 3 #14 1 #6 w/1 #8 w/1 to 2 #12 1 #6 w/1 #8 w/1 #10 2 #8 w/1 to 4 #14 2 #8 w/1 to 3 #12 2 #8 w/1 to 2 #10 3 #8 w/1 to 2 #14	1 #8 w/1 #12 w/1 to 4 #14 1 #8 w/2 #12 w/1 to 3 #14 1 #8 w/3 #12 w/1 to 2 #14 1 #8 w/4 #12 w/1 #14 1 #8 w/1 #10 w/1 to 4 #14 1 #8 w/1 #10 w/1 to 4 #12 1 #8 w/2 #10 w/1 to 3 #14 1 #8 w/2 #10 w/1 to 3 #12 1 #8 w/3 #10 w/1 to 2 #14 1 #8 w/3 #10 w/1 #12 2 #8 w/1 #12 w/1 to 3 #14 2 #8 w/2 #12 w/1 to 2 #14 2 #8 w/3 #12 w/1 #14 2 #8 w/1 #10 w/1 to 3 #14 2 #8 w/1 #10 w/1 to 2 #12 2 #8 w/2 #10 w/1 #14 sol	1 #10 w/1 #12 w/1 to 4 #14 1 #10 w/2 #12 w/1 to 3 #14 1 #10 w/3 #12 w/1 to 2 #14 1 #10 w/4 #12 w/1 #14 1 #10 w/2 to 4 #12 2 #10 w/1 #12 w/1 to 3 #14 2 #10 w/2 #12 w/1 to 2 #14 2 #10 w/3 #12 w/1 #14 2 #10 w/1 to 4 #14 or #12 3 #10 w/1 #12 w/1 to 2 #14 3 #10 w/2 #12 w/1 #14 3 #10 w/1 to 3 #14 3 #10 w/1 to 3 #12 4 #10 w/1 #14 w/1 #12
<b>IDEAL Greenie® Grounding Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>92®</b> Strip wires 1"	2 to 4 #12 2 to 4 #14 1 #10 w/1 or 2 #12 1 #10 w/1 to 3 #14	1 to 2 #12 w/1 to 3 #14 3 #12 w/1 #14		
<b>IDEAL Twister® Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>340®</b> Strip wires #22 - #18 3/8"; Strip wires #16 - #10 7/16"	2 to 5 #22 2 to 5 #20 2 to 5 #18 2 to 4 #16 1 to 3 #14 or #12 1 #10 3 #20 w/1 to 2 #22 4 #20 w/1 #22 1 #18 w/1 to 4 #20 or #22	2 #18 w/1 to 3 #20 or #22 3 #18 w/1 to 2 #20 or #22 4 #18 w/1 #20 or #22 1 #16 w/1 to 4 #20 or #22 1 #16 w/1 to 5 #18 2 #16 w/1 to 3 #22 or #20 2 #16 w/1 to 4 #18 3 #16 w/1 to 3 #18, #20 or #22 4 #16 w/1 #20 or #22	4 #16 w/1 to 2 #18 1 #14 w/1 to 4 #22 1 #14 w/1 to 3 #20 1 #14 w/1 to 5 #18 1 #14 w/1 to 4 #16 2 #14 w/1 to 3 #16, #18, #20, or #22 3 #14 w/1 to 2 #18 3 #14 w/1 #16	1 #12 w/1 to 5 #18 1 #12 w/1 to 3 #16 1 #12 w/1 to 2 #14 2 #12 w/1 to 2 #18 2 #12 w/1 #14 or #16 1 #10 w/1 to 3 #18 1 #10 w/1 to 2 #14 or #16 1 #10 w/1 #12
<b>341®</b> Strip wires 1/2"	1 to 3 #10 1 to 3 #12 4 #12 sol 1 to 5 #14 1 to 6 #16 2 to 6 #18 2 to 6 #20 1 #10 w/1 #8 1 #12 w/1 to 2 #10 1 #12 w/1 #8 2 #12 w/1 #10 1 #14 sol w/1 to 3 #12 1 #14 w/1 to 2 #10 2 #14 w/1 to 2 #12 or #10 2 #14 w/1 #8 3 #14 w/1 #12 or #10	3 #14 w/2 #12 4 #14 w/1 #12 or #10 1 #16 w/1 to 4 #14 or #12 1 #16 w/1 to 2 #10 2 #16 w/1 to 4 #14 2 #16 w/1 to 3 #12 2 #16 w/1 to 2 #10 3 #16 w/1 to 3 #14 3 #16 w/1 to 2 #12 or #10 4 #16 w/1 to 2 #14 or #12 4 #16 w/1 #10 5 #16 w/1 #14 2 #18 w/1 to 4 #16 or #14 3 #18 w/1 to 3 #12 2 #18 w/1 to 2 #10 3 #18 w/1 to 3 #16, #14 or #12	3 #18 w/1 to 2 #10 4 #18 w/1 to 2 #16, #14 or #12 4 #18 w/1 #10 5 #18 w/1 #16 or #14 1 #20 w/1 to 4 #18, #16 or #14 2 #20 w/1 to 3 #18, #16 or #14 3 #20 w/1 to 2 #18, #16 or #14 4 #20 w/1 to 2 #18, #16 or #14 3 to 6 #22 1 #22 sol w/1 #20 sol 1 #22 w/2 to 5 #20 1 #22 w/1 to 5 #18 or #16 2 #22 w/1 to 4 #20, #18 or #16 3 #22 w/1 to 3 #20, #18 or #164 #22 w/1 to 2 #20, #18 or #16	1 #22 w/1 #18 w/1 #16 1 #22 w/1 #20 w/1 to 2 #16 1 #14 w/1 to 2 #12 w/1 #10 2 #14 w/1 #12 w/1 #10 1 #16 w/1 #12 w/1 #10 2 #16 w/1 #14 w/1 to 2 #12 2 #16 w/2 #14 w/1 #12 2 #16 w/1 #12 w/1 #10 3 #16 w/1 #14 w/1 #12 or #10 4 #16 w/1 #12 w/1 #10 1 #18 w/1 to 4 #16, #14 or #12 5 #16 sol w/1 #10 sol 1 #16 w/1 to 2 #14 w/1 #12 or #10 1 #18 w/1 to 2 #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® Wire Connectors				
Model	600 Volt Maximum			
<b>342®</b> Strip wires 5/8"	1 to 2 #8 2 to 4 #10 2 to 6 #12 3 to 6 #14 1 #8 w/1 #6 1 #10 w/1 to 2 #8 2 #10 w/1 #8 1 #12 w/1 to 2 #10 1 #12 w/3 #10 1 #12 w/1 to 2 #8 1 to 2 #12 w/1 #6 2 #12 w/1 to 2 #10 2 #12 w/1 #8 or #6 2 #12 w/2 #8 3 #12 w/1 #10 or #8 3 #12 w/2 #10	4 #12 w/1 #10 1 #14 w/1 to 4 #12 1 #14 w/1 to 3 #10 1 #14 w/1 to 2 #8 1 to 2 #14 w/1 #6 2 #14 w/1 to 3 #12 2 #14 w/1 to 3 #10 2 #14 w/1 #8 3 #14 w/1 to 3 #12 or #10 3 or 4 #14 w/1 #8 3 #14 w/1 #6 4 #14 w/1 to 2 #12 or #10 4 #14 w/1 #6 5 #14 w/1 #12 or #10 5 #14 w/1 #8 1 #16 w/2 to 5 #14 or #12	1 #16 w/1 to 3 #10 2 #16 w/1 to 4 #14 or #12 2 #16 w/1 to 2 #10 3 #16 w/1 to 3 #14 3 #16 w/1 to 2 #12 or #10 4 #16 w/1 to 2 #14 or #12 4 #16 w/1 #10 3 #18 w/3 #16 or #14 3 #18 w/1 to 2 #12 or #10 4 #18 w/1 to 2 #16, #14 or #12 5 #18 w/1 #16, #14, #12 or #10 1 #12 w/1 #10 w/1 #8 1 #14 w/1 #12 w/1 to 2 #10 1 #14 w/1 #12 w/1 #8 or #6 1 #14 w/2 #12 w/1 to 2 #10 1 #14 w/2 #12 w/1 #8	1 #14 w/3 #12 w/1 #10 1 #14 w/1 #10 w/1 #8 2 #14 w/1 #12 w/1 to 2 #10 2 #14 w/1 #12 w/1 #8 2 #14 w/2 #12 w/1 #10 2 #14 w/1 #10 w/1 #8 3 #14 w/1 #10 w/1 #8 1 #16 w/1 #14 w/1 to 2 #12 2 #16 w/1 #14 w/1 to 2 #12 2 #16 w/2 #14 w/1 #12 or #10 2 #16 w/1 #12 w/1 #10 3 #16 w/1 #14 w/1 to 2 #12 3 #16 w/1 #14 w/1 #10 4 #16 w/1 #14 w/1 #12
IDEAL WeatherProof™ Wire Connectors				
Model	600 Volt Maximum			
<b>61®</b> Strip wires 3/8"; Strip wires #18 and smaller 7/16"	1 to 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 1 #14 w/1 to 2 #18	1 #14 w/1 to 3 #20 1 #14 w/ 1 to 3 #22 2 #16 w/ 1 #18 2 #16 w/1 to #22 2 #16 w/1 to 2 #20 1 #16 w/1 to 2 #18 1 #16 w/1 to 3 #22 or #20 3 #18 w/1 #22 or #20 2 #18 w/1 to 2 #22 or #20	1 #18 w/2 to 4 #20 1 #18 w/3 to 4 #22 1 to 2 #16 w/1 #20 w/1 #22 1 to 2 #18 w/1 #20 w/1 #22	
Model	600 Volt Maximum			
<b>62®</b> Strip wires 1/2"	1 to 2 #10 1 to 3 #12 1 to 5 #14 1 to 6 #16 3 to 6 #18 1 #18 with 2 to 3 #16 1 #18 with 1 to 3 #14 or #12	1 #18 with 1 to 2 #10 2 #18 with 1 to 3 #16, #14, or #12 2 #18 with 1 to 2 #10 3 #18 with 1 to 2 #16, #14, #12, or #10 4 #18 with 1 to 2 #16 or #14	2 #16 with 1 #10 3 #16 with 1 to 2 #14 or #12 3 #16 with 1 #10 4 #16 with 1 #14 or #12 1 #14 with 1 to 2 #12 or #10 2 #14 with 1 #12 or #10 1 #14 with 1 #8 Str	2 #14 with 1 #8 Str or #10 3 #14 with 1 #12 or #10 3 #14 with 2 #12 1 #12 Sol with 1 #10 Sol 2 #12 with 1 #10 1 #16 with 1 to 2 #14 with 1 #12
Model	600 Volt Maximum			
<b>63®</b> Strip wires 5/8"	1 to 2 #8 2 to 5 #10 2 to 6 #12 3 to 6 #14	1 #16 with 2 to 5 #14 or #12 1 #16 with 1 to 3 #10 1 #14 with 1 to 4 #12 1 #14 with 1 to 3 #10	1 #14 with 1 to 2 #8 1 #12 with 1 to 2 #10 or #8 1 to 2 #12 with 1 #6 3 #12 with 1 #10 or #8	1 #10 with 1 to 2 #8 1 #8 with 1 #6
IDEAL UnderGround™ Wire Connectors				
Model	600 Volt Maximum			
<b>60®</b> Strip wires 1/2"	2 #10 1 to 3 #12 1 to 4 #14 2 #16 or #18 1 #12 w/1 #8 or #10 2 #12 w/1 #10 1 #14 sol w/1 to 2 #12	1 #14 w/1 to 2 #10 2 #14 w/1 #10 or #12 3 #14 w/1 #12 1 #16 w/2 #10 1 #16 w/1 to 3 #12 or #14 1 #16 w/1 #10 or #12 and 1 to 2 #14	2 #16 w/1 to 2 #12 2 #16 w/1 #12 w/1 #14 2 #16 w/1 to 2 #14 2 #16 w/1 #10 3 #16 w/1 to 2 #14 3 #16 w/1 #12 1 #18 w/1 to 3 #12, #14 or #16	2 #18 w/1 to 2 #10 or #12 2 #18 w/1 to 2 #14 or #16 3 #18 w/1 to 2 #14 or #16 1 #20 w/1 to 4 #16 or #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.

<b>IDEAL UnderGround™ Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>64®</b> Strip wires 5/8"	1 to 3 #10 or #12 2 to 4 #14, #16 or #18 3 or 4 #20 solid or 22 solid	1 #18 with 1 to 4 #16, #14 or #12 1 #16 with 1 to 4 #14 or #12	1 #14 with 1 to 2 #12 or #10 2 #14 with 1 #12 or #10 2 #12 with 1 #10 1 #8 with 1 #12 or #10	
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>66®</b> Strip wires 1"	1 or 2 #6 2 or 3 #8 2 to 5 #10 3 to 6 #12 1 #6 w/1 to 2 #8 1 #6 w/1 to 3 #10 1 #6 w/1 to 5 #12	1 #6 w/1 to 4 #14 2 #6 w/1 #10 or #12 2 #6 w/1 to 2 #14 1 #8 w/1 to 4 #10 1 #8 w/1 to 5 #12 or #14 2 #8 w/1 to 2 #10 2 #8 w/1 to 3 #12	2 #8 w/1 to 4 #14 3 #8 w/1 to 2 #14 1 #10 w/2 to 4 #12 1 #10 w/3 to 5 #14 2 #10 w/1 to 4 #12 or #14 3 #10 w/1 to 3 #12 or #14 4 #10 w/1 to 2 #12 or #14	1 #12 w/4 to 5 #14 2 #12 w/2 to 4 #14 3 #12 w/1 to 3 #14 4 #12 w/1 #14
<b>IDEAL Twister® AL/CU Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			<b>Copper-to-Aluminum combinations. Not for use on Aluminum-to-Aluminum conductors.</b>
	Copper-to-Copper only combinations			
<b>65®</b> Strip wires 1/2"	1 to 3 #10 4 #12 sol 1 to 3 #12 1 to 5 #14 1 to 6 #16 2 to 6 #18 3 to 6 #20 4 to 6 #22 2 #22 w/3 to 5 #20 1 #22 w/1 to 5 #18, #16 2 #22 w/1 to 4 #20, #18, #16 3 #22 w/1 to 3 #20, #18, #16 4 #22 w/1 to 2 #20, #18, #16 1 #20 w/1 to 4 #18, #16, #14 2 #20 w/1 to 3 #18, #16, #14 3 #20 w/1 to 2 #18, #16, #14 4 #20 w/1 to 2 #18, #16, #14 1 #18 w/1 to 4 #16, #14, #12 1 #18 w/1 to 2 #10 2 #18 w/1 to 4 #16, #14, #12 2 to 3 #18 w/1 to 2 #10 4 #18 w/1 to 2 #16, #14, #12 4 #18 w/1 #10 5 #18 w/1 #16 or #14 1 #16 w/1 to 4 #14, #12 1 #16 w/1 to 2 #10	2 #16 w/1 to 4 #14 3 #16 w/1 to 3 #14 3 #16 w/1 to 2 #12, #10 4 #16 w/1 to 2 #14, #12 4 #16 w/1 #10 5 #16 w/1 #14 5 #16 sol w/1 #10 sol 1 #14 sol w/1 to 3 #12 1 to 2 #14 w/1 to 2 #10 2 #14 w/1 to 2 #10 2 #14 w/1 #8 3 #14 w/1 #12 or #10 3 #14 w/2 #12 4 #14 w/1 #12 or #10 1 #12 w/1 to 2 #10 1 #12 w/1 #8 2 #12 w/1 #10 1 #10 w/1 #8 1 #22 w/1 #18 w/1 #16 1 #22 w/1 #20 w/1 to 2 #16 1 #16 w/1 to 2 #14 w/1 #12 or #10 1 #16 w/1 #12 w/1 #10 2 #16 w/1 #14 #w/1 to 2 #12 2 #16 w/2 #14 w/1 #12 2 #16 w/1 #12 w/1 #10	3 #16 w/1 #14 w/1 #12 or #10 4 #16 w/1 #12 w/1 #10 1 #14 w/1 to 2 #12 w/1 #10 2 #14 w/1 #12 w/1 #10	1 #10 AL sol. w/1 to 2 #10 CU sol. 1 #10 AL w/1 to 2 #12 CU 1 #10 AL w/1 to 2 #14 CU 1 #10 AL w/1 to 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 to 2 #10 CU sol or str 1 #12 AL str. w/1 to 2 #10 CU sol. 1 #12 AL w/1 to 2 #12 CU 2 #12 AL sol. w/1 #12 CU 1 #12 AL w/1 to 2 #14 CU 2 #12 AL sol. w/1 #14 CU 1 #10 AL w/1 to 2 #18 CU 2 #10 AL sol. w/1 #16 CU 2 #10 AL sol. w/1 #18 CU 1 #12 AL w/1 to 2 #16 CU 1 #12 AL sol. w/1 #18 CU 2 #12 AL sol. w/1 #18 CU 2 #16 w/1 to 3 #12 2 #16 w/1 to 2 #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.

<b>Buchanan B-CAP® Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>B1</b> Strip wires 1/2"; Strip wires #16 and smaller 5/8"	2 to 3 #12	#16 w/#22 2 to 6*	#12 w/#18 2 to 3*	
	2 to 4 #14	#16 w/#20 2 to 6*	#12 w/#16 2 to 3*	
	2 to 5 #16	#16 w/#18 2 to 5*	#12 w/#14 2 to 3*	
	2 to 6 #18	#14 w/#22 2 to 4*	1 #10 w/1 #12	
	3 to 6 #20	#14 w/#20 2 to 4*	1 #10 w/1 to 2 #14	
	4 to 6 #22	#14 w/#18 2 to 4*	1 #10 w/1 to 2 #16	
	#20 w/#22 3 to 6*	#14 w/#16 2 to 4*	1 #10 w/1 to 3 #18	
#18 w/#22 3 to 6*	#12 w/#22 2 to 3*			
#18 w/#20 3 to 6*	#12 w/#20 2 to 3*			
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>B2</b> Strip wires 1/2"; Strip wires #16 and smaller 5/8"	2 #10 stranded	5 to 6 #22	#12 w/#22 2 to 6*	1 #10 w/1 to 3 #12
	2 to 3 #10 solid	#20 w/#22 4 to 6*	#12 w/#20 2 to 6*	2 #10 w/1 #12
	2 to 4 #12 stranded	#18 w/#22 3 to 6*	#12 w/#18 2 to 5*	1 #8 stranded w/1 #14
	2 to 5 #12 solid	#18 w/#20 3 to 6*	#12 w/#16 2 to 5*	stranded
	2 to 5 #14 stranded	#16 w/#22 3 to 6*	#12 w/#14 2 to 5*	1 #8 stranded w/1 #12
	2 to 6 #14 solid	#16 w/#20 2 to 6*	1 #10 w/1 to 4 #18	stranded
	2 to 5 #16 stranded	#16 w/#18 2 to 6*	2 #10 w/1 to 3 #18	1 #8 stranded w/1 #10
	2 to 6 #16 solid	#14 w/#22 2 to 6*	1 #10 w/1 to 4 #16	stranded
	2 to 5 #18 stranded	#14 w/#20 2 to 6*	2 #10 w/1 to 3 #16 1 #10 w/1	1 #12 w/1 #14 w/1 to 4 #16
	2 to 6 #18 solid	#14 w/#18 2 to 6*	to 4 #14	1 #12 w/2 #14 w/1 or 2 #16
3 to 6 #20	#14 w/#16 2 to 6*	2 #10 w/1 to 2 #14	2 #12 w/1 #14 w/1 to 3 #16	
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>B4</b> Strip wires 3/4"	2 #6 stranded or #8 stranded	4 to 6 #14	1 #8 w/1 to 4 #12	1 #6 w/1 to 4 #14
	2 or 3 #8 solid	#12 w/#14 2 to 6*	2 #8 w/1 to 3 #12	1 #6 w/1 to 4 #12
	2 to 4 #10 stranded	#10 w/#14 2 to 5*	3 #8 solid w/1 #12	1 #6 w/1 or 2 #10
	2 to 5 #10 solid	#10 w/#12 2 to 5*	1 #8 w/1 to 4 #10	1 #6 w/1 or 2 #8
	2 to 5 #12	1 #8 w/1 to 4 #14	2 #8 w/1 or 2 #10	
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>BGR/WGR</b>	2 or 3 #10	2 #10 w/1 to 3 #14	1 #10 w/1 or 2 #12 w/1 or 2 #14	3 #12 w/1 or 2 #14
	2 to 5 #12 or #14	1 #10 w/1 to 3 #12	#14	2 #12 w/1 to 3 #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	1 #12 w/1 to 4 #14
	2 #10 w/1 #12 w/1 #14	1 #10 w/1 to 3 #12 w/1 #14	4 #12 w/1 #14	





**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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<b>Buchanan B-Twist™ Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>BT2</b> Strip wires 1/2"	1 to 4 #10 1 to 5 #12 #14 1 to 6 #14 or #16 2 to 6 #18 3 to 6 #20 4 to 6 #22 1 #8 w/1 to 5 #16 1 #8 w/1 to 4 #14 1 #8 w/1 to 3 #12 1 #8 w 2 #12 w/1 to 4 #14 1 #8 w/1 to 2 #10 1 # w/1 #10 w/1 to 2 #14 or #12 1 #8 w/2 #10 w/1 #14 1 #10 w/1 to 5 #18, #16 or #14 1 #10 w/1 to 4 #12 1 #10 w/1 #16 w/1 to 4 #18 1 #10 w/1 #14 w/1 to 4 #18 or #16 1 #10 w/2 #14 w/1 to 3 #16 1 #10 w/1 #12 w/1 to 4 #18 or #16 1 #10 w/1 #12 w/1 to 4 #14 1 #10 w/2 #12 w/1 to 3 #18 or #16 1 #16	1#10 w/2 #12 w/1 to 2 #14 1 #10 w/3 #12 w/1 #14 1 #10 w/1 to 4 #18 or #16 2 #10 w/1 to 3 #14 2 #10 w/1 to 3 #12 2 #10 w/1 #16 w/1 to 3 #18 2 #10 w/2 #14 w/1 to 2 #16 2 #10 w/1 #12 w/1 to 3 #16 2 #10 w/1 #12 w/1 to 4 #14 2 #10 w/2 #12 w/1 to 2 #18 or #16 2 #10 w/2 #12 w/1 #14 3 #10 w/1 to 3 #18 or #16 3 #10 w/1 to 2 #14 3 #10 w/1 #12 3 #10 w/1 #16 w/1 to 2 #18 3 #10 w/1 #14 w/1 to 2 #18 3 #10 w/1 #14 w/1 #16 3 #10 w/1 #12 w/1 #18 or #16 1 #12 w/1 to 5 #18, #16 or #14 1 to 2 #12 w/1 #16 w/1 to 3 #18 1 to 2 #12 w/1 #14 w/1 to 3 #18 or #16 1 to 2 #12 w/2 #14 w/1 #16	2 #12 w/1 to 4 #18, #16 or #14 3 #12 w/1 to 3 #18, #16 or #14 3 #12 w/1 #16 w/1 to 2 #18 3#12 w/1 #14 w/1 to 2#18 or #16 3 #12 w/2 #14 w/1 #16 4 #12 w/1 to 2 #16 4 #12 w/1 #14 4 #12 w/1 #16 w/1 #18 4 #12 w/1 #14 w/1 #18 or #16 1 #14 w/1 to 5#22, #20, #18 or #16 1 to 2 #14 w/1 #16 w/1 to 3 #18 2 #14 w/1 to 4#22, #20, #18 or #16 3 #14 w/1 to 3#22, #20, #18 or #16 3 #14 w/1 #16 w/1 to 2 #18 4 #14 w/1 to 2 #22, #20, #18 or #16 4 #14 w/1 #16 w/1 #18 5 #14 w/1 #18 or #16 1 #16 w/1 to 5#22, #20 or #18	1 to 2#16 w/1 to 2 #20 w/1 to 2 #22 or #20 1 #16 w/1 #18 w/1 to 3 #22 or #20 2 #16 w/1 to 3 #22, #20 or #18 3 #16 w/1 to 3 #22 w/1 #20 3 #16 w/1 to 2 #22 w/1 #20 3 #16 w/1 #18 or 2 #22 or #20 4 #16 w/1 to 2 #22, #20 or #18 4 #16 w/1 #22 w/1 #20 4 #16 w/1 #18 w/1 #22 or #20 5 #16 w/1 #22, #20 or #18 1 #18 w/1 to 5 #22 or #20 1 to 3 #18 w/1 to 2 #22 w/1 #20 1 to 3 #18 w/2 #22 or #20 2 #18 w/1 to 4 #22 or #20 3 #18 w/1 to 3 #22 or #20 4 #18 w/1 to 2 #22 or #20 5 #18 w/1 #22 or #20 1 #20 w/3 to 5 #22 2 #20 w/2 to 4 #22 3 #20 w/2 to 3 #22 4 #20 w/2 #22 5 #20 w/1 #22
<b>Buchanan WireTwist™ Wire Connectors</b>				
<b>Model</b>	<b>300 Volt Maximum</b>		<b>600 Volt Maximum</b>	
<b>WT1</b> Strip solid wires 1/4"; strip stranded wires 5/16"	1 #14 1 to 2 #16 2 to 3 #18 2 to 4 #20 3 to 4 #22 5 #22 solid 1 #14 w/1 #20 or 22 1 #16 w/1 #18 1 #16 w/1 to 2 #20 1 #16 w/1 to 3 #22	1 #18 w/1 to 3 #20 1 #18 w/1 to 4 #22 2 #22 stranded only 4 #20 w/1 #22 3 #20 w/1 to 2 #22 2 #20 w/1 to 3 #22 1 #20 w/1 to 4 #22 1 #16 w/1 #20 w/1 #18 or #20 1-2 #18 w/1 #20 w/1 #22		
<b>Model</b>	<b>300 Volt Maximum</b>		<b>600 Volt Maximum</b>	
<b>WT2</b> Strip wires 3/8"; strip wires #16 and smaller 1/2"	1 #14 Stranded only 1 #16 Stranded only 2 to 3 #16 1 #18 Stranded only 2 to 4 #18 3 to 5 #20 1 #14 w/1 #16 1 #14 w/1 to 2 #18 1 #14 w/1 to 3 #20 1 #14 w/1 to 4 #22 2 #16 w/1 #18 2 #16 w/1 to 2 #20 2 #16 w/1 to 3 #22	1 #16 w/1 to 3 #18 1 #16 w/1 #18 w/1 #20 1 #16 w/1 to 4 #20 or #22 4 #18 w/1 #20 or #22 3 #18 w/1 to 2 #20 or #22 2 #18 w/1 to 3 #20 or #22 1 #18 w/2 to 4 #20 1 #18 w/3 to 4 #22 4 #20 w/1 #22 3 #20 w/1 to 2 #22 2 #16 w/1 #20 w/1 #22 1 #16 w/1 #22 w/1 #18 or #20 1 to 2 #18 w/1 #20 w/1 #22		



**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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<b>Buchanan WireTwist™ Wire Connectors</b>				
<b>Model</b>	<b>300 Volt Maximum</b>		<b>600 Volt Maximum</b>	
<b>WT3</b> Strip wires 5/16"; strip wires #16 and smaller 3/8"	5 #18	2 #16 w/2 to 3 #18	1 to 2 #14	2 #16 w/1 to 2 #22
	5 #22	2 #16 w/3 #22	1 #16 Stranded only	1 #16 w/1 to 2 #18
	3 to 4 #16	2 #16 w/3 #20	2 #16	1 #16 w/1 to 3 #20 or #22
	4 to 5 #20	1 #16 w/4 #18	1 #18 Stranded only	3 #18 w/1 #20 or #22
	2 #14 w/2 #16	4 #18 w/1 #20 or #22	2 to 4 #18	2 #18 w/1 to 2 #20
	2 #14 w/1 to 3 #20 or #22	3 #18 w/2 #20 or #22	1 #14 w/1 #16	2 #18 w/1 to 3 #22
	1 #14 w/2 #16	2 #18 w/3 #22	1 #14 w/1 #16 and 1 #18	1 #18 w/2 to 4 #20
	1 #14 w/3 #18	1 #18 str. w/5 #22 str.	1 #14 w/1 to 2 #18	1 #18 w/3 to 4 #22
	1 #14 w/4 #20	4 #20 w/1 #22	1 #14 w/1 to 3 #20	1 to 2 #16 w/1 #20 w/1 #22
	4 #16 w/1 #20 or #22	3 #20 w/1 to 2 #22	1 #14 w/1 to 3 #22	1 #16 w/1 #18 w/1 #22
	3 #16 w/1 #18	2 #20 w/2 to 3 #22	2 #16 w/1 #18	1 to 2 #18 w/1 #20 w/1 #22
3 #16 w/1 to 2 #20 or #22	1 #20 w/4 #22	2 #16 w/1 to 2 #20		
<b>Model</b>	<b>300 Volt Maximum</b>		<b>600 Volt Maximum</b>	
<b>WT4</b> Strip wires 3/8"; strip wires #16 and smaller 7/16"	2 #10		1 #8	3 #16 w/1 #18
	3 #12		1 #10	4 #16 w/1 #22 or #20
	5 #16 or #18		1 to 2 #12	1 #18 w/2 #20
	1 #10 w/3 to 4 #16		1 to 3 #14	1 #18 w/3 #22
	1 #10 w/2 #14		2 to 5 #16	2 #18 w/3 #20
	1 #10 w/1 #16 w/4 #20		2 to 6 #18	3 #18 w/1 to 2 #22 or #20
	1 #10 w/1 #16 w/3 to 4 #18		3 to 4 #20	4 #18 w/1 #22 or #20
	1 #10 w/1 #14 w/4 #22		4 #22	2 #12 w/1 #18 w/1 to 2 #20
	1 #10 w/1 #14 w/3 #20		1 #10 w/1 #14	1 #14 w/1 #16 w/1 to 4 #22
	1 #10 w/1 #14 w/2 to 4 #18		1 #10 w/1 #12	2 #14 w/1 to 2 #20 w/1 to 2 #22
	1 #10 w/1 #14 w/2 #16		1 #12 w/1 to 4 #20, #18, or #16	3 #14 w/1 #18 w/1 to 2 #22
	1 #10 w/2 #14 w/1 #16		1 #12 w/1 to 2 #14	3 #14 w/1 #18 w/1 #20
	1 #10 w/1 #12 w/1 to 2 #18		2 #12 w/1 to 2 #18	1 #16 w/1 #20 w/4 #22
	1 #10 w/1 #12 w/1 #16 or #14		2 #12 w/1 #16	1 #16 w/1 #18 w/3 to 4 #22
	1 #12 w/3 #14		1 #14 w/2 to 4 #20	1 #16 w/1 #18 w/2 to 4 #20
	2 #12 w/1 to 2 #14		1 #14 w/1 to 3 #18 or #16	2 #16 w/1 to 2 #20 w/1 to 2 #22
	2 #12 w/3 #18		2 #14 w/1 to 3 #20	3 #16 w/1 #18 w/1 to 2 #22 or #20
	1 #14 w/4 #18 or #16		2 #14 w/1 to 2 #18 or #16	1 #18 w/2 #20 w/3 #22
	2 #14 w/3 #18 or #16		3 #14 w/1 to 2 #20	2 #18 w/1 #20 w/3 #22
	3 #14 w/2 #18 or #16		3 #14 w/1 #18 or #16	3 #18 w/1 to 2 #20 w/1 #22
	3 #14 w/1 #18 w/2 #20		4 #14 w/1 #20 or #18	1 #10 w/1 #16 w/1 to 2 #18
	4 #14 w/1 to 2 #16		1 #16 w/4 #20	1 #10 w/1 #14 w/1 to 2 #20
	1 #16 w/4 #18		1 #16 w/1 to 3 #18 or #20	1 #10 w/1 #14 w/1 #18
2 #16 w/3 #18		1 #16 w/2 #22	1 #12 w/1 #16 w/1 to 4 #20 or #18	
3 #16 w/2 #18		2 #16 w/1 to 3 #20		
4 #16 w/1 #18		2 #16 w/1 to 2 #18		
		2 #14 w/1 #16 w/1 to 3 #22		
		3 #16 w/1 to 2 #22 or #20		



**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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Buchanan WireTwist™ Wire Connectors				
Model	300 Volt Maximum		600 Volt Maximum	
<b>WT6</b> Strip wires 7/16"; strip wires #16 and smaller 1/2"	2 #8 stranded only	2 #10 w/1 #12 w/1 to 3 #18	1 #6 or #8	1 #12 w/2 #14 w/1 to 3 #16
	3 #10	2 #10 w/1 #12 w/1 to 2 #16	1 to 2 #10	2 #12 w/1 to 2 #18 or #16
	5 #12	3 #10 w/1 #18 or #16	1 to 4 #12	1 #8 w/1 to 2 #14
	1 #6 w/1 #14	2 #12 w/2 #14 w/2 #16	2 to 5 #14	2 #12 w/1 to 3 #14
	1 #6 w/1 #12	3 #12 w/2 #14	4 to 6 #16	2 #12 w/1 #16 w/1 to 3 #20
	1 #6 w/1 #14 w/1 to 2 #18	3 #12 w/3 #16	1 #8 w/1 #12	2 #12 w/1 #16 w/1 to 3 #18
	1 #6 w/1 #14 w/1 #16	3 #12 w/1 #16 w/2 #18	1 #10 w/1 to 4 #18 or #16	2 #12 w/1 #14 w/1 to 3 #18
	1 #8 w/4 #16	3 #12 w/1 #14 w/1 to 2 #16	1 #10 w/1 to 3 #14	2 #12 w/1 #14 w/1 to 3 #16
	1 #8 w/3 #14	3 #12 w/1 #14 w/1 to 2 #18	1 #10 w/1 to 2 #12	3 #12 w/1 #14
	1 #8 w/2 #12	3 #12 w/2 #14 w/1 #16	1 #10 w/1 #18 w/1 to 4 #22 or #20	3 #12 w/1 to 2 #16 or #18
	1 #8 w/1 #10	4 #12 w/1 #18, #16, or #14	1 #10 w/1 #16 w/1 to 4 #20	3 #12 w/1 #18 w/1 to 2 #20
	1 #8 w/1 #14 w/4 #18		1 #10 w/1 #16 w/1 to 4 #18	3 #12 w/1 #16 w/1 to 2 #20
	1 #8 w/1 #12 w/1 to 4 #18 or #16		1 #10 w/1 #14 w/1 to 4 #16 or #18	2 #12 w/2 #14 w/1 #16 or #18
	1 #8 w/1 #12 w/1 to 2 #14		1 #10 w/2 #14 w/1 to 2 #16	1 #14 w/3 to -4 #18
	1 #8 w/2 #12 w/1 #16 or #14		1 #10 w/1 #12 w/1 to 3 #16 or #18	1 #14 w/1 #16 w/2 to 4 #20
	1 #8 w/1 #10 w/1 #14 or #12		1 #10 w/1 #12 w/1 to 2 #14	1 to 2 #14 w/1 #16 w/1 to 3 #18
	1 #10 w/4 #14		1 #10 w/2 #12 w/1 #16 or #18	#18
	1 #10 w/3 #12		2 #10 w/1 to 3 #18	2 #14 w/2 to 4 #16
	1 #10 w/2 #14 w/3 #16		2 #10 w/1 to 2 #16	2 #14 w/1 #18 w/1 to 3 #22 or #20
	1 #10 w/1 #12 w/4 #16		2 #10 w/1 #14	2 #14 w/1 #16 w/1 to 3 #22 or #20
	1 #10 w/1 #12 w/3 to 4 #14		2 #10 w/1 #16 w/1 #18	3 #14 w/1 to 2 #18 or #16
	1 #10 w/2 #12 w/2 to 3 #18 or #16		2 #10 w/1 #14 w/1 #20	3 #14 w/1 #16 w/1 to 2 #20
	1 #10 w/2 #12 w/1 to 2 #14		1 #12 w/2-4 #20 or #18	3 #14 w/1 #16 w/1 to 2 #18
	2 #10 w/3 #16		1 #12 w/1 to 4 #16 or #14	1 #16 w/4 #18
2 #10 w/2 to 3 #14		1 #12 w/1 #16 w/1 to 4 #20	2 #16 w/3 to 4 #18	
2 #10 w/1 to 2 #12		1 #12 w/1 #16 w/1 to 4 #18	2 #16 w/1 #18 w/3 #22	
2 #10 w/1 #16 w/2 to 3 #18		1 #12 w/1 #14 w/1 to 4 #20, #18, or #16	2 #16 w/1 #18 w/2 to 3 #20	
2 #10 w/1 #14 w/1 to 3 #18			3 #16 w/1 to 2 #20 or #18	
2 #10 w/2 #14 w/1 #16			4 #16 w/1 #20 or #18	
Buchanan WingTwist™ Wire Connectors				
Model	600 Volt Maximum			
<b>WT51</b> Strip wires 3/8"	1 #10	3 #16 w/1 to 3 #18	3 #14 w/1 to 2 #18	2 #12 w/1 to 2 #18
	1 to 3 #12 or #14	4 #16 w/1 to 2 #18	3 #14 w/1 #16 or #18	2 #12 w/1 #16 or #14
	2 to 4 #16 or #18	1 #14 w/1 to 5 #18	1 #12 w/1 to 5 #18	1 #10 w/1 to 3 #18
	1 #16 w/1 to 5 #18	1 #14 w/1 to 4 #16	1 #12 w/1 to 3 #16	1 #10 w/1 to 2 #16 or #14
	2 #16 w/1 to 4 #18	2 #14 w/1 to 3 #18 or #16	1 #12 w/1 to 2 #14	1 #10 w/1 #12



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<b>Buchanan WingTwist™ Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>WT41</b> Strip wires 1/2"	1 to 3 #10 4 #12 solid 1 to 3 #12 1 to 5 #14 2 to 6 #20, #18, or #16 3 to 6 #22 1 #22 solid w/1 #20 solid 1 #22 w/2 to 5 #20 1 #22 w/1 to 5 #18, #16 2 #22 w/1 to 4 #20, #18 or #16 3 #22 w/1 to 3 #20, #18 or #16 4 #22 w/1 to 2 #2, #18 or #16 1 #20 w/1 to 4 #18, #16 or #14 2 #20 w/1 to 3 #18, #16 or #14 3 #20 w/1 to 2 #18, #16 or #14	4 #20 w/1 to 2 #18, #16 or #14 1 #16 stranded 1 #18 w/1 to 4 #16, #14 or #12 1 #18 w/1 to 2 #10 2 #18 w/1 to 4 #16 or #14 2 #18 w/1 to 3 #12 2 #18 w/1 to 2 #10 3 #18 w/1 to 3 #16, #14 or #12 3 #18 w/1 to 2 #10 4 #18 w/1 to 2 #16, #14 or #12 4 #18 w/1 #10 5 #18 w/1 #16 or #14 1 #16 w/1 to 4 #14 or #12 1 #16 w/1 to 2 #10 2 #16 w/1 to 4 #14	2 #16 w/1 to 3 #12 or #14 3 #16 w/1 to 2 #12 or #10 4 #16 w/1 to 2 #14 or #12 4 #16 w/1 #10 5 #16 w/1 #14 5 #16 solid w/1 #10 solid 1 #14 solid w/1 to 3 #12 1 #14 w/1 to 2 #10 2 #14 w/1 to 2 #12 2 #14 w/1 to 2 #10 2 #14 w/1 #8 3 #14 w/1 #12 or #10 3 #14 w/2 #12 4 #14 w/1 #12 or #10 1 #12 w/1 to 2 #10	1 #12 w/1 #8 2 #12 w/1 #10 1 #10 w/1 #8 1 #22 w/1 #18 w/1 #16 1 #22 w/1 #20 w/1 to 2 #16 1 #16 w/1 to 2 #14 w/1 #12 or #10 1 #16 w/1 #12 w/1 #10 2 #16 w/1 #14 w/1 to 2 #12 2 #16 w/2 #14 w/1 #12 2 #16 w/1 #12 w/1 #10 3 #16 w/1 #14 w/1 #12 or #10 4 #16 w/1 #12 w/1 #10 1 #14 w/1 to 2 #12 w/1 #10 2 #14 w/1 #12 w/1 #10
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>WT52</b> Strip wires 1/2"	2 to 3 #10 2 to 5 #12 2 to 6 #14 4 to 6 #16 6 #18 1 #12 w/5 #14 1 #12 w/4 #16 or #14 1 #12 w/2 #14 1 #12 w/1 #14 1 #10 w/3 #14 1 #10 w/4 #14 1 #10 w/2 #14	1 #10 w/1 #12 1 #8 w/1 #10, #12, or #14 1 #10 w/2 to 5 #18 1 #10 w/1 to 4 #16 1 #10 w/1 to 2 #14 or #12 1 #10 w/1 #14 and 1 to 3 #16 1 #10 w/2 #14 and 1 #16 1 #10 w/1 #12 and 1 #14 1 #10 w/1 #12 and 1 to 2 #16 2 #10 w/1 to 2 #16 2 #10 w/1 #14 1 #12 w/2 to 5 #18	1 #12 w/1 to 5 #16 1 #12 w/1 to 4 #14 1 #12 w/1 #14 and 1 to 4 #16 1 #12 w/2 #14 and 1 to 2 #16 2 #12 w/3 to 4 #18 2 #12 w/1 to 3 #16 2 #12 w/1 to 3 #14 2 #12 w/1 #14 and 1 to 2 #16 3 #12 w/1 to 2 #16 3 #12 w/2 #18 1 #14 w/3 to 5 #18 1 #14 w/3 #12	1 #14 w/2 to 5 #16 2 #14 w/1 to 4 #18 or #16 3 #14 w/1 to 3 #16 4 #14 w/1 to 2 #18 4 #14 w/1 #16 5 #14 w/1 #18 1 #16 w/4 to 5 #18 2 #16 w/2 to 4 #18 3 #16 w/1 to 3 #18 4 #16 w/1 to 2 #18 5 #16 w/1 #18
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>WT53</b> Strip wires 1/2"	1 #6 2 #8 2 to 3 #10 2 to 6 #12 4 to 6 #14 4 #16 w/2 #18 1 #14 w/4 to 5 #16 2 #14 w/3 to 4 #18 2 #14 w/2 to 4 #16 3 #14 w/1 to 3 #18 or #16 4 #14 w/1 to 2 #18 or #16 5 #14 w/1 #18 or #16	1 #12 w/3 to 5 #16 1 #12 w/2 to 5 #14 2 #12 w/3 to 4 #18 2 #12 w/1 to 4 #16 or #14 3 #12 w/1 to 3 #18 or #16 3 #12 w/1 to 3 #14 4 #12 w/1 to 2 #16 1 #10 w/1 to 5 #16 or #14 1 #10 w/1 to 4 #12 2 #10 w/2 to 4 #18 or #16 2 #10 w/1 to 4 #14 2 #10 w/1 to 2 #12	3 #10 w/1 #14 or #12 1 #8 w/1 to 5 #14 1 #8 w/1 to 3 #12 1 #8 w/1 to 2 #10 2 #8 w/1 #14 1 #6 w/1 #10 1 #12 w/1 #14 w/1 to 4 #16 1 #12 w/2 #14 w/1 #16 2 #12 w/1 #14 w/1 to 2 #16 1 #10 w/1 #14 w/1 to 3 #16 1 #10 w/2 #14 w/1 #16 1 #10 w/1 #12 w/1 to 2 #6	1 #10 w/1 #12 w/1 to 4 #14 1 #10 w/2 #12 w/1 to 3 #14 1 #10 w/3 #12 w/1 #14 2 #10 w/2 #12 w/1 to 2 #14 1 #8 w/1 #12 w/1 to 3 #14 1 #8 w/2 #12 w/1 #14 1 #8 w/1 #10 w/1 to 2 #14 1 #8 w/1 #10 w/1 #12



**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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<b>Buchanan WingTwist™ Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>WT54</b> Strip wires 5/8"	1 to 2 #6 2 to 3 #8 2 to 5 #10 3 to 6 #12 5 to 6 #14 1 #12 w/4 to 5 #14 2 #12 w/2 to 4 #14 3 #12 w/1 to 3 #14 4 #12 w/1 #14 1 #10 w/3 to 5 #14 1 #10 w/2 to 4 #14 2 #10 w/1 to 4 #14 or #12 3 #10 w/1 to 3 #14 or #12 4 #10 w/1 to 2 #14 or #12 1 #8 w/1 to 5 #14 or #12 1 #8 w/1 to 4 #10	2 #8 w/1 to 4 #14 2 #8 w/1 to 3 #12 2 #8 w/1 to 2 #10 3 #8 w/1 to 2 #14 1 #6 w/1 to 4 #14 1 #6 w/1 to 5 #12 1 #6 w/1 to 3 #10 1 #6 w/1 to 2 #8 2 #6 w/1 #14 2 #6 w/1 #12 1 #10 w/1 #12 w/1 to 4 #14 1 #10 w/2 #12 w/1 to 3 #14 1 #10 w/3 #12 w/1 to 2 #14 1 #10 w/4 #12 w/1 #14 2 #10 w/1 #12 w/1 to 3 #14 2 #10 w/2 #12 w/1 to 2 #14	2 #10 w/3 #12 w/1 #14 3 #10 w/1 #12 w/1 to 2 #14 3 #10 w/2 #12 w/1 #14 4 #10 w/1 #12 w/1 #14 1 #8 w/1 #12 w/1 to 4 #14 1 #8 w/2 #12 w/1 to 3 #14 1 #8 w/3 #12 w/1 to 2 #14 1 #8 w/4 #12 w/1 #14 1 #8 w/1 #10 w/1 to 4 #14 1 #8 w/1 #10 w/1 to 4 #12 1 #8 w/2 #10 w/1 to 3 #14 1 #8 w/2 #10 w/1 to 3 #12 1 #8 w/3 #10 w/1 to 2 #14 1 #8 w/3 #10 w/1 #12 2 #8 w/1 #12 w/1 to 3 #14 2 #8 w/2 #12 w/1 to 2 #14	2 #8 w/3 #12 w/1 #14 2 #8 w/1 #10 w/1 to 3 #14 2 #8 w/1 #10 w/1 to 2 #12 2 #8 w/2 #10 w/1 #14 Sol 1 #6 w/1 #12 w/1 to 4 #14 1 #6 w/2 #12 w/1 to 3 #14 1 #6 w/3 #12 w/1 to 2 #14 1 #6 w/4 #12 w/1 #14 1 #6 w/1 #10 w/1 to 4 #14 1 #6 w/1 #10 w/1 to 3 #12 1 #6 w/2 #10 w/1 to 2 #14 1 #6 w/2 #10 w/1 #12 1 #6 w/1 #8 w/1 to 3 #14 1 #6 w/1 #8 w/1 to 2 #12 1 #6 w/1 #8 w/1 #10
<b>IDEAL Set Screw Wire Connectors</b>				
<b>Model</b>	<b>300 Volt Maximum</b>			
<b>10</b>	1 #10 or #12 1 to 2 #14 2 to 4 #16 2 to 6 #18 or #20 4 to 6 #22 1 #10 str. w/1 #20 1 #10 str. w/1 to 2 #22 1 #12 str. w/1 #14 1 #12 str. w/1 #16 w/1 #18 1 #12 str. w/1 to 2 #18 or #20 1 #12 str. w/1 #18 or #20 w/1 to 2 #22 1 #12 w/3 or 4 #20 or #22 2 #14 w/1 #16 1 #14 w/1 to 2 #16	2 #14 str. w/1 #16 w/1 #20 or #22 1 #14 str. w/1 #16 w/1 #18, #20, or #22 2 #14 w/1 to 2 #18 1 #14 w/1 to 3 #18 2 #14 str. w/1 #18 or #20 w/1 to 2 #22 1 #14 str. w/1 #18 or #20 w/1 to 2 #22 2 #14 w/1 to 3 #20 1 #14 w/3 to 5 #20 1 #14 str. w/1 to 2 #20 1 #14 str. w/2 to 5 #22 2 #14 w/3 to 4 #22	2 #14 str. w/1 to 2 #22 1 #16 w/1 to 5 #20 or #22 1 #16 w/1 to 4 #18 1 #16 w/1 #20 w/1 to 2 #22 1 #16 w/1 #18 w/1 to 2 #22 2 #16 w/1 to 4 #20 or #22 2 #16 w/1 to 3 #18 3 #16 w/1 #18 or #20 w/1 to 2 #22 3 #16 w/1 to 3 #20 or #22 4 #16 w/1 #18, #20 or #22 4 #16 w/1 #20 w/1 #22 1 #18 w/1 to 5 #20 or #22 1 #18 w/1 #20 w/1 to 2 #22 2 #18 w/1 to 4 #20 or #22	2 #18 w/1 #20 w/1 to 2 #22 3 #18 w/1 to 4 #22 3 #18 w/1 to 3 #20 3 #18 w/1 #20 w/1 to 2 #22 4 #18 w/1 to 2 #20 or #22 4 #18 w/1 #20 w/1 to 2 #22 5 #18 w/1 #20 w/1 to 2 #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 to 2 #22 5 #20 w/1 #22 3 #16 w/1 to 2 #18
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>11</b>	1 #10 2 #12 2 to 3 #14 4 or 5 #16 1 #10 str. w/1 to 2 #16, #18 or #20 1 #10 w/3 or 4 #18 1 #10 w/3 #16 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 to 3 #20	2 #12 w/1 to 2 #18 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 to 2 #18 or #20 3 #14 w/1 #16 1 #16 w/4 or 5 #22 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 to 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 to 2 #20 5 #18 w/1 to 5 #22 5 #18 w/1 #20 1 #20 w/4 or 5 #22 2 to 4 #20 w/3 to 5 #22 5 #20 w/1 to 5 #22



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<b>IDEAL Set Screw Wire Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>22</b>	1 to 2 #10 2 to 4 #12 2 to 6 #14 4 to 6 #16 2 #18 1 #10 str. w/3 to 5 #20 1 #10 w/3 to 5 #18 1 #10 w/2 to 5 #16 1 #10 w/1 to 4 #14 1 #10 w/1 to 2 #12	2 #10 w/2 to 4 #20 2 #10 w/1 to 3 #18 2 #10 w/1 to 2 #16 2 #10 w/1 #14 2 #10 w/1 #12 1 #12 w/3 to 5 #18 1 #12 w/2 to 5 #16 1 #12 w/1 to 5 #14 2 #12 w/1 to 4 #18 2 #12 w/1 to 4 #16	2 #12 w/1 to 4 #14 3 #12 w/1 to 3 #18 3 #12 w/1 to 2 #16 3 #12 w/1 #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 to 3 #20 3 #14 w/1 to 3 #16	4 #14 w/1 to 2 #16 5 #14 w/1 #16 1 #16 w/3 to 5 #18 2 #16 w/2 to 4 #18 3 #16 str. w/1 to 3 #18 str. 4 #16 w/1 to 2 #18 5 #16 w/1 #18
<b>IDEAL Crimp Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>48 Crimp</b>	1 to 3 #16 1 to 4 #18 1 to 5 #20 1 to 6 #22 1 #14 w/1 to 3 #22 1 #14 w/1 to 3 #20 1 #14 w/1 to 2 #18 1 #14 w/1 #16 1 #14 w/1 #18 w/1 to 3 #22 1 #14 w/1 #18 w/1 to 2 #20 1 #14 w/1 #18 w/1 #20 w/1 #22	1 #16 w/1 to 5 #22 1 #16 w/1 to 4 #20 1 #16 w/1 to 3 #18 1 #16 w/2 #22 1 #16 w/1 #18 w/1 #22 1 #16 w/2 #18 w/1 #20 1 #16 w/2 #18 w/1 to 2 #22 1 #16 w/1 #18 w/1 #20 w/1 #22 1 #16 w/1 #18 w/1 to 2 #20 w/1 #22 2 #16 w/1 to 3 #22	2 #16 w/1 to 2 #20 2 #16 w/1 #18 w/1 #22 2 #16 w/1 #20 w/1 #22 2 #16 w/1 #18 1 #18 w/1 to 5 #20 or #22 2 #18 w/1 to 3 #20 3 #18 w/1 to 3 #22 3 #18 w/1 to 2 #20 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 2 #20 w/1 #22 2 #18 w/1 #20 w/1 to 3 #22 3 #18 w/1 #20 w/1 #22 2 #20 w/1 to 4 #22 3 #20 w/1 to 3 #22 4 #20 w/1 to 2 #22 5 #20 w/1 #22 1 #20 w/1 to 4 #22
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>49 Crimp</b>	2 #14 1 to 4 #16 1 to 6 #18 1 to 6 #20 1 #12 str. w/1 or 2 #18 1 #12 str. w/1 #16 1 #14 w/1 to 3 #18	1 #14 w/1 to 3 #16 1 #14 w/2 to 3 #20 1 #14 w/1 #17 w/ 1 #20 1 #16 w/1 to 4 #18 1 #16 w/1 to 4 #20 1 #16 w/1 #18 w/1 #20 2 #16 w/1 to 2 #18	2 #16 w/2 to 3 #20 3 #16 w/1 #18 w/ 1 #20 1 #17 w/1 #18 w/1 #20 all str. 1 #17 w/1 #18 w/1 #20 w/ 1 #22 all str. 1 #18 w/1 #22 1 #18 w/2 to 4 #20	1 to 2 #18 w/1 #20 2 #18 w/1 to 4 #20 2 #18 w/1 #22 3 #18 w/1 #22 4 #18 w/1 #22
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>NC-8 Stranded Wire Only</b>	2 #10 2 to 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 to 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



**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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<b>IDEAL Crimp Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>410</b>	2 #10 str 2 to 4 #12 3 to 6 #14 2 #14 str. 3 to 7 #16 5 to 10 #18 1 #14 sol w/1 #14 str. 1 #10 sol w/1 #10 str. 1 #14 w/1 to 3 #12 1 #14 w/1 to 2 #12 w/1 #10 2 #14 w/1 to 2 #12 2 #14 w/1 #10 w/1 #12 3 #14 w/1 to 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 to 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 to 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 to 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 to 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 to 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 to 2 #16 2 #10 w/1 to 2 #18 w/1 #16 2 #10 w/1 to 4 #18 1 #12 w/1 to 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 to 2 #18 w/1 #16 1 #14 w/1 #18 w/6 #16 1 #14 w/1 to 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 to 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 to 2 #18 w/1 #16
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>411</b>	2 #8 2 to 3 #10 4 #10 sol 3 to 5 #12 5 #14 2 #8 w/1 #12	2 #8 w/1 to 2 #14 1 #8 w/1 to 2 #10 1 #8 w/1 to 3 #12 1 #8 w/1 to 4 #14 3 #10 w/1 #12 3 #10 w/1 to 2 #14, #16, or #18	2 #10 w/1 to 3 #12, #14, or #16 2 #10 w/1 to 3 #18 1 #10 w/2 to 4 #12 1 #10 w/3 to 4 #14 1 #10 w/4 #16 4 #12 w/1 #14, #16, or #18	3 #12 w/1 to 2 #14, #16, or #18 2 #12 w/2 to 3 #14 2 #12 w/3 #16 1 #12 w/4 #14
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>412</b>	2 #6 2 or 3 #8 2 to 5 #10 2 to 6 #12 2 to 7 #14 3 to 7 #16 5 to 7 #18 1 #4 w/1 to 3 #14 1 #4 w/1 to 2 #12 1 #4 w/1 #10 1 #4 w/1 #8 1 #6 w/1 to 6 #14 1 #6 w/1 to 5 #12	1 #6 w/1 to 3 #10 1 #6 w/1 to 2 #8 2 #6 w/1 #14 or #12 1 #8 w/1 to 5 #14 or #12 1 #8 w/1 to 3 #10 2 #8 w/1 to 5 #14 2 #8 w/1 to 3 #12 2 #8 w/1 to 2 #10 1 #10 w/1 to 6 #18 1 #10 w/1 to 6 #16 1 #10 w/1 to 5 #14 or #12 2 #10 w/1 to 5 #18, #16, or #14 2 #10 w/1 to 5 #12	3 #10 w/1 to 4 #18, #16, or #14 3 #10 w/1 to 3 #12 4 #10 w/1 to 3 #18, #16, or #14 4 #10 w/1 or 2 #12 1 #12 w/1 to 6 #18, #16, or #14 2 #12 w/1 to 5 #18 or #16 2 #12 w/1 to 5 #14 3 #12 w/1 to 3 #18 3 #12 w/1 to 3 #16 3 #12 w/1 to 4 #14 4 #12 w/1 to 3 #18, #16, or #14 5 #12 w/1 or 2 #18, #16, or #14 1 #14 w/2 to 6 #18	1 #14 w/1 to 6 #16 2 #14 w/1 to 5 #18 or #16 3 #14 w/2 to 4 #18 3 #14 w/1 to 3 #16 4 #14 w/1 to 3 #18 or #16 5 #14 w/1 to 2 #18 or #16 6 #14 w/1 #18 or #16 1 #16 w/4 to 6 #18 2 #16 w/2 to 5 #18 3 #16 w/1 to 4 #18 4 #16 w/1 to 3 #18 5 #16 w/1 or 2 #18 6 #16 w/1 #18



**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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<b>Buchanan Crimp Connectors</b>				
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>2006S</b>	2 #18 Stranded through 10 #18 Solid or Stranded #18 w/1 to 6 #16 or 1 to 5 #15 or 1 to 3 #12 or 1 #10 2 #18 stranded w/1 to 5 #16 or 1 to 5 #14 or 1 to 3 #12 or 1 #10 3 #18 w/1 to 5 #16 or 1 to 4 #14 or 1 to 2 #12 4 #18 w/1 to 4 #16 or 1 to 3 #14 or 1 to 2 #12 or 1 #10 5 #18 w/1 to 3 #16 or 1 to 2 #14 or 1 #12 or 1 #10 6 #18 w/1 to 3 #16 or 1 to 2 #14 or 1 #12 7 #18 w/1 to 2 #16 or 1 #14	8 #18 w/1 #16 2 to 7 # 16 1 #16 w/1 to 4 #14 or 1 to 3 #12 or 1 #10 2 #16 w/1 to 3 #14 or 1 to 2 #12 or 1 #10 3 #16 w/1 to 2 #14 or 1 #12 or 1 #10 4 #16 w/1 #14 or 1 #12 2 to 5 #14 1 #14 w/1 to 3 #12 or 1 #10 2 #14 w/1 to 2 # 12 or 1 #10 3 #14 w/1 #12 2 to 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 to 3 #18 2 #10 w/1 #16 and 1# 18 1 #12 w/5 #16 and 1 to 3 #18 1 #12 w/4 #16 and 1 to 4 #18 1 #12 w/3 #16 and 1 to 5 #18 1 #12 w/2 #16 and 1 to 6 #18 1 #12 w/1 #16 and 1 to 8 #18 2 #12 w/4 #16 and 1 #18 2 #12 w/2 #16 and 1 to 4 #18 2 #12 w/1 #16 and 1 to 5 #18 3 #12 w/1 #16 and 1 to 2 #18 1 #14 w/6 #16 and 1 #18 1 #14 w/5 #16 and 1 to 2 #18	1 #14 w/4 #16 and 1 to 4 #18 1 #14 w/3 #16 and 1 to 5 #18 1 #14 w/2 #16 and 1 to 7 #18 1 #14 w/2 #16 and 1 to 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 to 2 #18 3 #14 w/2 #16 and 1 to 4 #18 3 #14 w/1 #16 and 1 to 5 #18 4 #14 w/1 #16 and 1 to 2 #18
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>2011S</b>	<b>Solid Wire</b> 4-10 # 14 3-6 #12 2-4 #10 2 #8	<b>Stranded Wire</b> 5 to 11 # 14 3 to 7 #12 2 to 5 #10 2 to 3 #8 2 #6	<b>Combination Stranded Wire</b> 1 to 3 #14 w/3 to 5 #12 1 to 3 #14 w/3 to 4 #10 1 to 2 #12 w/3 to 4 #10 1 to 3 #12 w/5 to 8 #14 2 or 4 # 14 w/1 #8 or 1 #10 1 #8 w/1 #10v	<b>Combination Stranded &amp; Solid</b> 1 to 3 #14 w/3 to 5 #12 1 to 3 #14 w/3 to 4 #10 1 to 2 #12 w/3 to 4 #10 1 to 3 #12 w/5 to 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 str.
<b>Model</b>	<b>600 Volt Maximum</b>			
<b>2008S</b>	2 to 10 #18 1 #18 w/1 to 6 #16 or 1 to 5 #14 or 1 to 3 #12 or 1 #10 2 #18 w/1 to 5 #16 or 1 to 5 #14 or 1 to 3 #12 or 1 #10 2 #16 w/1 to 3 #14 or 1 to 2 #12 or 1 #10 3 #16 w/1 to 2 #14 or 1 #12 or 1 #10 4 #16 w/1 #14 or 1#12 2 to 5 #14	1 #14 w/1 to 3 #12 or 1 #10 2 #14 w/1 to 2 #12 or 1 #10 3 #14 w/1 #12 2 to 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 to 3 #18 2 #10 w/1 #16 and 1 #18	1 #12 w/5 #16 and 1 to 3 #18 1 #12 w/4 #16 and 1 to 4 #18 1 #12 w/3 #16 and 1 to 5 #18 1 #12 w/2 #16 and 1 to 6 #18 2 #12 w/1 #16 and 1 to 2 #18 1 #14 w/6 #16 and 1 #18 1 #14 w/5 #16 and 1 to 2 #18 1 #14 w/4 #16 and 1 to 4 #18 1 #14 w/3 #16 and 1 to 5 #18 1 #14 w/2 #16 and 1 to 7 #18 1 #14 w/1 #16 and 1 to 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 to 2 #18 3 #14 w/2 #16 and 1 to 4 #18 3 #14 w/1 #16 and 1 to 5 #18 4 #14 w/1 #16 and 1 to 2 #18
<b>Term-End Lugs</b>				
<b>Model</b>	<b>Solid Wire</b>		<b>Stranded Wire</b>	
<b>16-8</b>	1 to 8 #16 1 to 4 #14	1 to 2 #12 1 #10	1 to 8 #16 1 to 5 #14	1 to 3 #12 1 #8
<b>IDEAL Term-A-Nut™ Pigtail Connectors and Grounding Connectors</b>				
<b>70</b> Red w/blk or white Green w/grn	2 to 4 #12 or #14 4 to 5 # 16 1 #16 w/3 to 4 #18 2 #16 w/2 to 3 #18 3 #16 w/1 to 2 #18 4 #16 w/1 #18 1 #14 w/ 2-3 #18	2 #14 w/1 to 2 #18 3 #14 w/1 #18 1 #14 w/2 to 3 #16 2 #14 w/1 to 2 #16 3 #14 w/1 #16 1 #12 w/2 to 3 #18 2 #12 w/1 to 2 #18	3 #12 w/1 #18 1 #12 w/1 to 3 #16 2 #12 w/1 to 2 #16 3 #12 w/1 #16 1 #12 w/1 to 3 #14 2 #12 w/1 to 2 #14 3 #12 w/ 1 #14	