



UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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

IDEAL Wire-Nut® Wire Connectors			
Model	300 Volt Maximum		600 Volt Maximum
71B® Strip solid wires 1/4" (6.5mm); Strip stranded wires 5/16" (8mm)	1 #14	1 #16 w/1 to 3 #22	
	1 or 2 #16	1 #16 w/1 #20 w/1 #18 or #20	
	1 #18 str.	1 #18 w/1 to 3 #20	
	2 or 3 #18	1 #18 w/1 to 4 #22	
	2 or 4 #20	1 or 2 #18 w/1 #20 w/1 #22	
	2 #22 str.	2 #18 w/1 #20	
	3 or 4 #22	2 #18 w/1 or 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 or 2 #22	
1 #16 w/1 or 2 #20	4 #20 w/1 #22		
72B® Strip wires #16 and smaller 1/2" (13 mm); all others 3/8" (9.5 mm)	1 #14 str.	1 #16 w/1 to 4 #20 or #22	
	1 #16 str.	1 #16 w/1 #22 w/1 #18 or #20	
	2 or 3 #16	2 #16 w/1 #18	
	1 #18 str.	2 #16 w/1 or 2 #20	
	2 to 4 #18	2 #16 w/1 #20 w/1 #22	
	2 to 5 #20	2 #16 w/1 to 3 #22	
	2 #22	1 #18 w/1 to 4 #20 or #22	
	1 #14 w/1 #16	1 or 2 #18 w/1 #20 w/1 #22	
	1 #14 w/1 or 2 #18	2 #18 w/1 to 3 #20 or #22	
	1 #14 w/1 to 3 #20	3 #18 w/1 or 2 #20 or #22	
1 #14 w/1 to 4 #22	4 #18 w/1 #20 or #22		
1 #16 w/1 to 3 #18	3 #20 w/1 or 2 #22		
1 #16 w/1 #18 w/1 #20	4 #20 w/1 #22		
73B® Strip wires #16 and smaller Stranded 3/8" (9.5 mm); all others 5/16" (8 mm)	3 or 4 #16	3 #16 w/1 #18	1 or 2 #14
	5 #18	3 #16 w/1 or 2 #20 or #22	1 #16 str.
	3 to 5 #20	4 #16 w/1 #20 or #22	2 #16
	5 #22	1 #18 w/1 #20	1 #18 str.
	1 #14 w/2 #16	1 #18 str. w/5 #22 str.	2 or 4 #18
	1 #14 w/1 #16 w/1 #18	2 #18 w/3 #22	1 #14 w/1 or 2 #18
	1 #14 w/3 #18	3 #18 w/2 #20 or #22	1 #14 w/1 to 3 #20
	1 #14 w/4 #20	4 #18 w/1 #20 or #22	1 #14 w/1 to 3 #22
	2 #14 w/1 #18	1 #20 w/4 #22	1 #14 w/1 #16 w/1 #18
	2 #14 w/1 to 3 #20 or #22	2 #20 w/2 or 3 #22	1 #14 w/1 #16
1 #16 w/4 #18	3 #20 w/1 or 2 #22	1 #16 w/1 or 2 #18	
2 #16 w/2 or 3 #18	4 #20 w/1 #22	1 #16 w/1 to 3 #20 or #22	
2 #16 w/3 #20		2 #16 w/1 or 2 #20	
2 #16 w/1 to 3 #22		2 #16 w/1 #18	
1 or 2 #16 w/1 #20 w/1 #22		1 #16 w/1 #18 w/1 #22	
1 #18 w/2 to 4 #20		1 #18 w/2 to 4 #20	
1 #18 w/3 or 4 #22		1 #18 w/3 or 4 #22	
1 or 2 #18 w/1 #20 w/1 #22		2 #18 w/1 or 2 #20	
2 #18 w/1 to 3 #22		2 #18 w/1 to 3 #22	
3 #18 w/1 #20 or #22		3 #18 w/1 #20 or #22	
IDEAL Wire-Nut® Wire Connectors			
Model	300 Volt Maximum		600 Volt Maximum
74B® Strip #16 and smaller 7/16" (11.5 mm); all others 3/8" (9.5 mm)	1 #10 w/2 #12		1 #8
			1 #10
			1 to 3 #12
			1 to 4 #14
			2 to 5 #16
			2 to 5 #18
			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 #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 to 3 #14, #16 or #18
			1 #12 w/4 #16 or #18
			1 #12 w/1 #14 w/3 #16
			1 #12 w/2 #14 w/2 #16
			2 #12 w/1 or 2 #14
			2 #12 w/1 or 2 #16 or #18
			2 #12 w/1 #14 w/1 #16 or #18
			2 #12 w/1 #16 w/1 or 2 #18
			1 #14 w/1 to 4 #16, #18 or #20
			1 #14 w/1 #16 w/1 to 3 #20
			1 #14 w/1 #18 w/1 to 3 #20
			2 #14 w/1 to 3 #16, #18 or #20
		2 #14 w/1 #16 w/1 or 2 #18 or #20	
		2 #14 w/1 #16 w/1 #18, #20 or #22	
		3 #14 w/1 #16 w/1 #18, #20 or #22	
		3 #14 w/1 #18 w/1 #20 or #22	
		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 #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	
		1 #16 w/1 to 4 #18, #20 or #22	
		2 #16 w/1 to 3 #18, #20 or #22	
		2 #16 w/1 #18 w/1 or 2 #20 or #22	
		3 #16 w/1 or 2 #18, #20 or #22	
		3 #16 w/1 #18 w/1 #20 or #22	
		4 #16 w/1 or 2 #18, #20 or #22	
		1 #18 w/3 or 4 #20 or #22	
		1 #18 w/2 #20 w/3 #22	
		2 #18 w/3 #20 or #22	
		2 #18 w/1 #20 w/3 #22	



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IDEAL Wire-Nut® Wire Connectors			
Model	300 Volt Maximum		600 Volt Maximum
76B® Strip wires #16 and smaller 1/2" (13 mm); all others 7/16" (11,5 mm)	2 #8 str.		1 #6 or #8
	3 #10		1 or 2 #10
	5 #12		1 to 4 #12
	1 #6 w/1 or 2 #16		2 to 5 #14
	1 #6 w/1 #14		4 to 6 #16
	1 #6 w/1 #12		1 #8 w/1 to 3 #16
	1 #6 w/1 #14 w/1 to 4 #22		1 #8 w/1 or 2 #14
	1 #6 w/1 #14 w/1 or 2 #18		1 #8 w/1 #12
	1 #6 w/1 #14 w/1 #16		1 #8 w/1 #14 w/1 to 4 #20
	1 #8 w/4 #16		1 #8 w/1 to 4 #18, #20 or #22
	1 #8 w/3 #14		1 #8 w/1 #14 w/1 or 2 #16
	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 #8 w/1 #14 w/4 #18		1 #10 w/5 #16
	1 #8 w/1 #14 w/3 or 4 #16		1 #10 w/1 to 3 #14
	1 #8 w/1 #12 w/1 to 4 #16 or #18		1 #10 w/1 or 2 #12
	1 #8 w/1 #12 w/1 or 2 #14		1 #10 w/1 or 2 #20 w/1 to 3 #22
	1 #8 w/2 #12 w/1 or 2 #18		1 #10 w/1 #18 w/1 to 4 #20 or #22
	1 #8 w/2 #12 w/1 #14 or #16		1 #10 w/1 #16 w/1 to 4 #20 or 22
	1 #8 w/1 #10 w/1 #12 or #14		1 #10 w/1 #16 w/1 to 4 #18
	1 #10 w/4 #14		1 #10 w/1 #14 w/1 to 4 #18, #20 or #22
	1 #10 w/3 #12		1 #10 w/1 #14 w/1 to 4 #16
	1 #10 w/2 #14 w/3 #16		1 #10 w/2 #14 w/1 or 2 #16
	1 #10 w/1 #12 w/4 #16		1 #10 w/1 #12 w/1 to 4 #18
	1 #10 w/1 #12 w/3 or 4 #14		1 #10 w/1 #12 w/1 to 3 #16
	1 #10 w/2 #12 w/2 or 3 #16 or #18		1 #10 w/1 #12 w/1 or 2 #14
	1 #10 w/2 #12 w/1 or 2 #14		1 #10 w/2 #12 w/1 #16 or #18
	2 #10 w/3 #16		2 #10 w/1 to 3 #18
	2 #10 w/2 or 3 #14		2 #10 w/2 #16
	2 #10 w/1 or 2 #12		2 #10 w/1 #14
	2 #10 w/1 #16 w/2 or 3 #18		2 #10 w/1 #16 w/1 #18
	2 #10 w/1 #14 w/2 or 3 #20 or #22		2 #10 w/1 #14 w/1 #20 or #22
	2 #10 w/1 #14 w/1 to 3 #18		1 #12 w/3 or 4 #22
	2 #10 w/2 #14 w/1 #16		1 #12 w/2 to 4 #18 or #20
	2 #10 w/1 #12 w/1 to 3 #18		1 #12 w/1 to 4 #14 or #16
	2 #10 w/1 #12 w/1 or 2 #16		1 #12 w/1 #20 w/2 to 4 #22
	3 #10 w/1 #16 or #18		1 #12 w/2 #20 w/1 to 3 #22
	2 #12 w/1 #14 w/3 #16		1 #12 w/ #18 w/1 to 4 #20 or #22
	2 #12 w/2 #14 w/2 #16		1 #12 w/1 #16 w/1 to 4 #20 or #22
	3 #12 w/2 #14		1 #12 w/1 #16 w/1 to 4 #18
3 #12 w/3 #16		1 #12 w/1 #14 w/1 to 4 #16, #18, #20 or #22	
3 #12 w/1 #16 w/2 #18		1 #12 w/2 #14 w/1 to 3 #16	
3 #12 w/1 #14 w/1 or 2 #16		2 #12 w/2 #14 w/1 #16	
3 #12 w/2 #14 w/1 #16		2 #12 w/1 to 3 #14	
4 #12 w/1 #14, #16, #18, #20 or #22		2 #12 w/1 #14 w/1 to 3 #20 or #22	
		2 #12 w/1 to 3 #20 or #22	
IDEAL Wire-Nut® Wire Connectors			
Model	600 Volt Maximum		
59B® Strip wires 1/2" (13mm)	1 #12	1 #14 w/1 #18 w/1 or 2 #22	2 #16 w/1 to 4 #18, #20 or #22
	1 to 3 #14	1 #14 w/1 #16 w/1 #20 or #22	2 #16 w/1 #20 w/1 or 2 #22
	2 to 4 #16	2 #14 w/1 to 4 #20 or #22	2 #16 w/1 #18 w/1 or 2 #22
	2 to 6 #18	2 #14 w/1 or 2 #18	3 #16 w/1 to 3 #20 or #22
	2 to 6 #20	2 #14 w/1 #16	3 #16 w/1 or 2 #18
	4 to 6 #22	2 #14 w/1 #20 w/1 or 2 #22	3 #16 w/1 #20 w/1 or 2 #22
	1 #12 w/1 to 3 #18	2 #14 w/1 #18 w/1 or 2 #22	3 #16 w/1 #18 w/1 or 2 #22
	1 #12 w/1 or 2 #16	2 #14 w/1 #16 w/1 #20 or #22	4 #16 w/1 or 2 #22
	1 #12 w/1 #14	1 #16 Stranded OR 1 #18 Str.	4 #16 w/1 #18 or #20
	1 #14 w/1 to 5 #18, #20 or #22	1 #16 w/1 to 5 #18, #20 or #22	4 #16 w/1 #20 w/1 #22
	1 #14 w/1 to 3 #16	1 #16 w/1 #20 w/1 or 2 #22	1 #18 w/1 to 4 #20 or #22
	1 #14 w/1 #20 w/1 or 2 #22	1 #16 w/1 #18 w/1 or 2 #22	1 #18 w/1 #20 w/1 or 2 #22
IDEAL Wing-Nut® Wire Connectors			
Model	600 Volt Maximum		
451® Strip wires 3/8" (9,5 mm)	1 #10	1 #10 w/1 or 2 #16	2 #12 w/1 #16
	1 to 3 #12	1 #10 w/1 to 3 #18	2 #12 w/1 #14
	1 to 3 #14	1 #12 w/1 to 5 #18	1 #14 w/1 to 5 #18
	2 to 4 #16	1 #12 w/1 to 3 #16	1 #14 w/1 to 4 #16
	2 to 4 #18	1 #12 w/1 or 2 #14	2 #14 w/1 to 3 #18
	1 #10 w/1 #12	2 #12 w/1 or 2 #18	2 #14 w/1 to 3 #16
	1 #10 w/1 or 2 #14		



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IDEAL Wing-Nut® Wire Connectors				
Model	600 Volt Maximum			
452® Strip wires 1/2" (13 mm)	1 #6	1 #10 w/2 #12 w/1 to 3 #18	2 #12 w/1 to 4 #18, #16 or #14	2 #16 w/1 #20 w/1 or 2 #22
	1 or 2 #8	1 #10 w/2 #12 w/1 or 2 #14	3 #12 w/1 to 3 #18, #16 or #14	2 #16 w/2 #20 w/1 or 2 #22
	1 to 4 #10	1 #10 w/3 #12 w/1 #14	3 #12 w/1 #16 w/1 or 2 #18	2 #16 w/1 #18 w/1 to 3 #22
	1 to 5 #12	2 #10 w/1 to 4 #18 or #16	3 #12 w/1 #14 w/1 or 2 #18	2 #16 w/1 #18 w/1 to 3 #20
	1 to 6 #14, #16	2 #10 w/1 to 3 #14 or #12	3 #12 w/1 #14 w/1 or 2 #16	2 #16 w/1 to 4 #22, #20 or #18
	2 to 6 #18	2 #10 w/1 #16 w/1 to 3 #18	3 #12 w/2 #14 w/1 #16	3 #16 w/1 to 3 #22, #20 or #18
	3 to 6 #20	2 #10 w/2 #14 w/1 or 2 #16	4 #12 w/1 or 2 #16	3 #16 w/1 or 2 #22 w/ 1 #20
	4 to 6 #22	2 #10 w/1 #12 w/1 to 3 #16	4 #12 w/1 #14	3 #16 w/1 #18 w/1 or 2 #22
	1 #6 w/1 or 2 #12	2 #10 w/1 #12 w/1 or 2 #14	4 #12 w/1 #16 w/1 #18	3 #16 w/1 #18 w/1 or 2 #20
	1 #6 w/1 #10	2 #10 w/2 #12 w/1 or 2 #18	4 #12 w/1 #14 w/1 #18 or #16	4 #16 w/1 or 2 #22, #20 or #18
	1 #6 w/2 #14 w/1 or 2 #16	2 #10 w/2 #12 w/1 or 2 #16	1 #14 w/1 to 5 #22 or #20	4 #16 w/1 #22 w/1 #20
	1 #6 w/1 #12 w/1 or 2 #14	2 #10 w/2 #12 w/1 #14	1 #14 w/1 to 5 #18 or #16	1 #18 w/1 to 5 #22 or #20
	1 #6 w/2 #12 w/1 #18	3 #10 w/1 to 3 #18 3 #10 w/1 to 3 #16	1 #14 w/1 #16 w/1 to 3 #18	4 #16 w/1 #18 w/1 #20
	1 #6 w/1 #10 w/1 #14	3 #10 w/1 or 2 #14	2 #14 w/1 #16 w/1 to 3 #18	5 #16 w/1 #22, #20 or #18
	1 #8 w/1 to 5 #16	3 #10 w/1 #12	2 #14 w/1 to 4 #22 or #20	1 #20 w/1 to 5 #22 or #20
	1 #8 w/1 to 4 #14	3 #10 w/1 #16 w/1 or 2 #18	2 #14 w/1 to 4 #18 or #16	1 #20 w/1 #22 w/ 1 to 3 #18
	1 #8 w/1 to 3 #12	3 #10 w/1 #14 w/1 or 2 #18	3 #14 w/1 to 3 #22 or #20	1 #20 w/2 #22 w/ 1 to 3 #18
	1 #8 w/2 #12 w/1 or 2 #14	3 #10 w/1 #14 w/1 #16	3 #14 w/1 to 3 #18 or #16	2 #20 w/1 #22 w/ 1 to 3 #18
	1 #8 w/1 or 2 #10	3 #10 w/1 #12 w/1 #18	3 #14 w/1 #16 w/1 or 2 #18	2 #18 w/1 to 4 #22, #20
	1 #8 w/1 #10 w/1 or 2 #14, #12	3 #10 w/1 #12 w/1 #16	4 #14 w/1 or 2 #22	3 #18 w/1 to 3 #22 or #20
1 #8 w/2 #10 w/1 #14	1 #12 w/1 to 5 #18, #16 or #14	4 #14 w/1 or 2 #20, #18 or #16	4 #18 w/1 or 2 #22 or #20	
1 #10 w/1 to 5 #18, #16 or #14	1 #12 w/1 #16 w/1 to 3 #18	4 #14 w/1 #16 w/1 #18	5 #18 w/1 #22 or #20	
1 #10 w/1 to 4 #12	1 #12 w/1 #14 w/1 to 3 #18	5 #14 w/1 #18 or #16	1 #20 w/2 to 5 #22	
1 #10 w/1 #16 w/1 to 4 #18	1 or 2 #12 w/1 #14 w/1 to 3 #16	1 #16 w/1 to 5 #22, #20 or #18	2 #20 w/1 to 4 #22	
1 #10 w/1 #14 w/1 to 4 #16 or #18	1 #12 w/2 #14 w/1 or 2 #16	1 #16 w/1 #20 w/1 or 2 #22	3 #20 w/1 to 3 #22	
1 #10 w/2 #14 w/1 to 3 #16	2 #12 w/1 #14 w/1 to 3 #18	1 #16 w/2 #20 w/1 or 2 #22	4 #20 w/1 or 2 #22	
1 #10 w/1 #12 w/1 to 4 #14	2 #12 w/1 #16 w/1 to 3 #18	1 #16 w/1 #18 w/1 to 3 #22	5 #20 w/1 #22	
1 #10 w/1 #12 w/1 to 4 #16 or #18	2 #12 w/2 #14 w/1 or 2 #16	1 #16 w/1 #18 w/1 to 3 #20		
1 #10 w/2 #12 w/1 to 3 #16				
Model	600 Volt Maximum			
454® Strip wires 7/8"	1 or 2 #6	2 #6 w/1 #14 or #12	1 #8 w/1 #12 w/1 to 4 #14	1 #10 w/1 #12 w/1 to 4 #14
	2 or 3 #8	1 #6 w/1 #12 w/1 to 4 #14	1 #8 w/2 #12 w/1 to 3 #14	1 #10 w/2 #12 w/1 to 3 #14
	2 to 5 #10	1 #6 w/2 #12 w/1 to 3 #14	1 #8 w/3 #12 w/1 or 2 #14	1 #10 w/3 #12 w/1 or 2 #14
	3 to 6 #12	1 #6 w/3 #12 w/1 or 2 #14	1 #8 w/4 #12 w/1 #14	1 #10 w/4 #12 w/1 #14
	5 or 6 #14	1 #6 w/4 #12 w/1 #14	1 #8 w/1 #10 w/1 to 4 #14	1 #10 w/2 to 4 #12
	1 #8 w/1 to 5 #14 or #12	1 #6 w/1 #10 w/1 to 4 #14	1 #8 w/1 #10 w/1 to 4 #12	2 #10 w/1 #12 w/1 to 3 #14
	1 #8 w/1 to 4 #10	1 #6 w/1 #10 w/1 to 3 #12	1 #8 w/2 #10 w/1 to 3 #14	2 #10 w/2 #12 w/1 or 2 #14
	1 #10 w/3 to 5 #14	1 #6 w/2 #10 w/1 or 2 #14	1 #8 w/2 #10 w/1 to 3 #12	2 #10 w/3 #12 w/1 #14
	1 #12 w/4 or 5 #14	1 #6 w/2 #10 w/1 #12	1 #8 w/3 #10 w/1 or 2 #14	2 #10 w/1 to 4 #14 or #12
	2 #12 w/2 to 4 #14	1 #6 w/1 #8 w/1 to 3 #14	1 #8 w/3 #10 w/1 #12	3 #10 w/1 #12 w/1 or 2 #14
	3 #12 w/1 to 3 #14	1 #6 w/1 #8 w/1 or 2 #12	2 #8 w/1 #12 w/1 to 3 #14	3 #10 w/2 #12 w/1 #14
	4 #12 w/1 #14	1 #6 w/1 #8 w/1 #10	2 #8 w/2 #12 w/1 or 2 #14	3 #10 w/1 to 3 #14
	1 #6 w/1 to 4 #14	2 #8 w/1 to 4 #14	2 #8 w/3 #12 w/1 #14	3 #10 w/1 to 3 #12
	1 #6 w/1 to 5 #12	2 #8 w/1 to 3 #12	2 #8 w/1 #10 w/1 to 3 #14	4 #10 w/1 #14 w/1 #12
	1 #6 w/1 to 3 #10	2 #8 w/1 or 2 #10	2 #8 w/1 #10 w/1 or 2 #12	
	1 #6 w/1 or 2 #8	3 #8 w/1 or 2 #14	2 #8 w/2 #10 w/1 #14 sol	
	Model	600 Volt Maximum		
92® Strip wires 1"	2 to 4 #12	1 #10 w/1 to 3 #14		
	2 to 4 #14	1 or 2 #12 w/1 to 3 #14		
	1 #10 w/1 or 2 #12	3 #12 w/1 #14		
Model	600 Volt Maximum			
341® Strip wires 1/2"	1 to 3 #10	3 #14 w/1 #12 or #10	3 #18 w/1 or 2 #10	1 #22 w/1 #18 w/1 #16
	1 to 3 #12	3 #14 w/2 #12	4 #18 w/1 or 2 #16, #14 or #12	1 #22 w/1 #20 w/1 or 2 #16 1 #14
	4 #12 sol	4 #14 w/1 #12 or #10	4 #18 w/1 #10	w/1 or 2 #12 w/1 #10 2 #14 w/1
	1 to 5 #14	1 #16 w/1 to 4 #14 or #12	5 #18 w/1 #16 or #14	#12 w/1 #10
	1 #16 str.	1 #16 w/1 or 2 #10	1 #20 w/1 to 4 #18, #16 or #14	1 #16 w/1 #12 w/1 #10
	2 to 6 #16	2 #16 w/1 to 4 #14	2 #20 w/1 to 3 #18, #16 or #14	2 #16 w/1 #14 w/1 or 2 #12 2 #16
	2 to 6 #18	2 #16 w/1 to 3 #12	3 #20 w/1 or 2 #18, #16 or #14	w/2 #14 w/1 #12
	2 or 6 #20	2 #16 w/1 or 2 #10	4 #20 w/1 or 2 #18, #16 or #14	2 #16 w/1 #12 w/1 #10
	1 #10 w/1 #8	3 #16 w/1 to 3 #14	3 to 6 #22	3 #16 w/1 #14 w/1 #12 or #10 4
	1 #12 w/1 or 2 #10	3 #16 w/1 or 2 #12 or #10	1 #22 sol w/1 #20 sol	#16 w/1 #12 w/1 #10
	1 #12 w/1 #8	4 #16 w/1 or 2 #14 or #12	1 #22 w/2 to 5 #20	1 #18 w/1 to 4 #16, #14 or #12 5
	2 #12 w/1 #10	4 #16 w/1 #10	1 #22 w/1 to 5 #18 or #16	#16 sol w/1 #10 sol
	1 #14 str. w/1 or 2 #12 str.	5 #16 w/1 #14	2 #22 w/1 to 4 #20, #18 or #16	1 #16 w/1 or 2 #14 w/1 #12 or #10
	1 #14 sol w/1 to 3 #12	2 #18 w/1 to 4 #16 or #14	3 #22 w/1 to 3 #20, #18 or #16	1 #18 w/1 or 2 #10
	1 #14 w/1 or 2 #10	3 #18 w/1 to 3 #12	4 #22 w/1 or 2 #20, #18 or #16	
	2 #14 w/1 or 2 #12 or #10	2 #18 w/1 or 2 #10		
	2 #14 w/1 #8	3 #18 w/1 to 3 #16, #14 or #12		



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IDEAL Twister® Wire Connectors				
Model	600 Volt Maximum			
342® Strip wires 5/8"	1 or 2 #8	4 #12 w/1 #10	1 #16 w/1 to 3 #10	1 #14 w/3 #12 w/1 #10
	2 to 4 #10	1 #14 w/1 to 4 #12	2 #16 w/1 to 4 #14 or #12	1 #14 w/1 #10 w/1 #8
	2 to 6 #12	1 #14 w/1 to 3 #10	2 #16 w/1 or 2 #10	2 #14 w/1 #12 w/1 or 2 #10
	3 to 6 #14	1 #14 w/1 or 2 #8	3 #16 w/1 to 3 #14	2 #14 w/1 #12 w/1 #8
	1 #8 w/1 #6	1 or 2 #14 w/1 #6	3 #16 w/1 or 2 #12 or #10	2 #14 w/2 #12 w/1 #10
	1 #10 w/1 or 2 #8	2 #14 w/1 to 3 #12	4 #16 w/1 or 2 #14 or #12	2 #16 w/1 #14 w/1 or 2 #12
	2 #10 w/1 #8	2 #14 w/1 to 3 #10	4 #16 w/1 #10	3 #14 w/1 #10 w/1 #8
	1 #12 w/1 or 2 #10	2 #14 w/1 #8	3 #18 w/3 #16 or #14	1 #16 w/1 #14 w/1 or 2 #12
	1 #12 w/3 #10	3 #14 w/1 to 3 #12 or #10	3 #18 w/1 or 2 #12 or #10	2 #16 w/1 #14 w/1 or 2 #12
	1 #12 w/1 or 2 #8	3 or 4 #14 w/1 #8	4 #18 w/1 or 2 #16, #14 or #12	2 #16 w/2 #14 w/1 #12 or #10
	1 or 2 #12 w/1 #6	3 #14 w/1 #6	5 #18 w/1 #16, #14, #12 or #10	2 #16 w/1 #12 w/1 #10
	2 #12 w/1 or 2 #10	4 #14 w/1 or 2 #12 or #10	1 #12 w/1 #10 w/1 #8	3 #16 w/1 #14 w/1 or 2 #12
	2 #12 w/1 #8 or #6	4 #14 w/1 #6	1 #14 w/1 #12 w/1 or 2 #10	3 #16 w/1 #14 w/1 #10
	2 #12 w/2 #8	5 #14 w/1 #12 or #10	1 #14 w/1 #12 w/1 #8 or #6	4 #16 w/1 #14 w/1 #12
	3 #12 w/1 #10 or #8	5 #14 w/1 #8	1 #14 w/2 #12 w/1 or 2 #10	
	3 #12 w/2 #10	1 #16 w/2 to 5 #14 or #12	1 #14 w/2 #12 w/1 #8	
IDEAL Twister® ProFLEX™ MINI				
Model	600 Volt Maximum			
343® Strip wires 7/16" (11 mm) For capping off single 14, 12 or 10 AWG conductors, strip wires 1/4"	2 to 6 #22 AWG	1 #18 AWG with 1 to 4 #20 AWG or #22 AWG	4 #16 AWG with 1 or 2 #18 AWG	1 #12 AWG with 1 to 3 #16 AWG
	2 to 6 #20 AWG	2 #18 AWG with 1 to 3 #20 AWG or #22 AWG	1 #14 AWG with 1 to 4 #22 AWG	1 #12 AWG with 1 or 2 #14 AWG
	2 to 5 #18 AWG	3 #18 AWG with 1 or 2 #20 AWG or #22 AWG	1 #14 AWG with 1 to 3 #20 AWG	2 #12 AWG with 1 or 2 #18 AWG
	2 to 4 #16 AWG	4 #18 AWG with 1 #20 AWG or #22 AWG	1 #14 AWG with 1 to 5 #18 AWG	2 #12 AWG with 1 #16 AWG
	1 to 4 #14 AWG	1 #16 AWG with 1 to 4 #20 AWG or #22 AWG	1 #14 AWG with 1 to 4 #16 AWG	2 #12 AWG with 1 #14 AWG
	1 to 3 #14 AWG	1 #16 AWG with 1 to 5 #18 AWG	2 #14 AWG with 1 to 3 #20 AWG or #22 AWG	1 #10 AWG with 1 to 3 #18 AWG
	1 to 3 #12 AWG	2 #16 AWG with 1 to 3 #22 AWG	2 #14 AWG with 1 to 3 #18 AWG	1 #10 AWG with 1 or 2 #16 AWG
	4 #12 AWG SOLID	2 - #16 AWG with 1 to 3 #20 AWG	2 #14 AWG with 1 to 3 #16 AWG	1 #10 AWG with 1 or 2 #14 AWG
1 #10 AWG	2 #16 AWG with 1 to 4 - #18 AWG	3 #14 AWG with 1 or 2 #18 AWG	1 #10 AWG with 1 #12 AWG	
3 #16 AWG with 1 or 2 #22 AWG	3 #16 AWG with 1 to 3 #18 AWG or #20 AWG or #22 AWG	3 #14 AWG with 1 #16 AWG		
4 #20 AWG with 1 #22 AWG	4 #16 AWG with 1 #20 AWG or #22 AWG	1 #12 AWG with 1 to 5 #18 AWG		
IDEAL Twister® Pro				
Model	600 Volt Maximum			
344® Strip wires 1/2" (13 mm)	1 #6	1 #10 w/2 #12 w/1 to 3 #16	2 #12 w/2 #14 w/1 or 2 #16	1 #16 w/1 #18 w/1 to 3 #20
	1 or 2 #8	1 #10 w/2 #12 w/1 to 3 #18	2 #12 w/1 to 4 #18, #16 or #14	2 #16 w/1 #20 w/1 or 2 #22
	1 to 4 #10	1 #10 w/2 #12 w/1 or 2 #14	3 #12 w/1 to 3 #18, #16 or #14	2 #16 w/2 #20 w/1 or 2 #22
	1 to 5 #12	1 #10 w/3 #12 w/1 #14	3 #12 w/1 #16 w/1 or 2 #18	2 #16 w/1 #18 w/1 to 3 #22
	1 to 6 #14, #16	2 #10 w/1 to 4 #18 or #16	3 #12 w/1 #14 w/1 or 2 #18	2 #16 w/1 #18 w/1 to 3 #20
	2 to 6 #18	2 #10 w/1 to 3 #14 or #12	3 #12 w/1 #14 w/1 or 2 #16	2 #16 w/1 to 4 #22, #20 or #18
	3 to 6 #20	2 #10 w/1 #16 w/1 to 3 #18	3 #12 w/2 #14 w/1 #16	3 #16 w/1 to 3 #22, #20 or #18
	4 to 6 #22	2 #10 w/2 #14 w/1 or 2 #16	4 #12 w/1 or 2 #16	3 #16 w/1 or 2 #22 w/1 #20
	1 #6 w/1 or 2 #12	2 #10 w/1 #12 w/1 to 3 #16	4 #12 w/1 #14	3 #16 w/1 #18 w/1 or 2 #22
	1 #6 w/1 #10	2 #10 w/1 #12 w/1 or 2 #14	4 #12 w/1 #16 w/1 #18	3 #16 w/1 #18 w/1 or 2 #20
	1 #6 w/2 #14 w/1 or 2 #16	2 #10 w/2 #12 w/1 or 2 #18	4 #12 w/1 #14 w/1 #18 or #16	4 #16 w/1 or 2 #22, #20 or #18
	1 #6 w/1 #12 w/1 or 2 #14	2 #10 w/2 #12 w/1 or 2 #16	1 #14 w/1 to 5 #22 or #20	4 #16 w/1 #22 w/1 #20
	1 #6 w/2 #12 w/1 #18	2 #10 w/2 #12 w/1 #14	1 #14 w/1 to 5 #18 or #16	4 #16 w/1 #18 w/1 #22
	1 #6 w/1 #10 w/1 #14	3 #10 w/1 to 3 #18 3 #10 w/1 to 3 #16	1 #14 w/1 #16 w/1 to 3 #18	4 #16 w/1 #18 w/1 #20
	1 #8 w/1 to 5 #16	3 #10 w/1 or 2 #14	2 #14 w/1 #16 w/1 to 3 #18	5 #16 w/1 #22, #20 or #18
	1 #8 w/1 to 4 #14	3 #10 w/1 #12	2 #14 w/1 to 4 #22 or #20	1 #18 w/1 to 5 #22 or #20
	1 #8 w/1 to 3 #12	3 #10 w/1 #16 w/1 or 2 #18	2 #14 w/1 to 4 #18 or #16	1 #20 w/1 #22 w/1 to 3 #18
	1 #8 w/2 #12 w/1 or 2 #14	3 #10 w/1 #14 w/1 or 2 #18	3 #14 w/1 to 3 #22 or #20	1 #20 w/2 #22 w/1 to 3 #18
	1 #8 w/1 or 2 #10	3 #10 w/1 #14 w/1 #16	3 #14 w/1 to 3 #18 or #16	2 #20 w/1 #22 w/1 to 3 #18
	1 #8 w/1 #10 w/1 or 2 #14, #12	3 #10 w/1 #12 w/1 #18	3 #14 w/1 #16 w/1 or 2 #18	2 #18 w/1 to 4 #22, #20
	1 #8 w/2 #10 w/1 #14	3 #10 w/1 #12 w/1 #16	4 #14 w/1 or 2 #22	3 #18 w/1 to 3 #22 or #20
	1 #10 w/1 to 5 #18, #16 or #14	1 #12 w/1 to 5 #18, #16 or #14	4 #14 w/1 or 2 #20, #18 or #16	4 #18 w/1 or 2 #22 or #20
	1 #10 w/1 to 4 #12	1 #12 w/1 #16 w/1 to 3 #18	4 #14 w/1 #16 w/1 #18	5 #18 w/1 #22 or #20
	1 #10 w/1 #16 w/1 to 4 #18	1 #12 w/1 #14 w/1 to 3 #18	5 #14 w/1 #18 or #16	1 #20 w/2 to 5 #22
	1 #10 w/1 #14 w/1 to 4 #16 or #18	1 or 2 #12 w/1 #14 w/1 to 3 #16	1 #16 w/1 to 5 #22, #20 or #18	2 #20 w/1 to 4 #22
	1 #10 w/2 #14 w/1 to 3 #16	1 #12 w/2 #14 w/1 or 2 #16	1 #16 w/1 #20 w/1 or 2 #22	3 #20 w/1 to 3 #22
	1 #10 w/1 #12 w/1 to 4 #14	2 #12 w/1 #14 w/1 to 3 #18	1 #16 w/2 #20 w/1 or 2 #22	4 #20 w/1 or 2 #22
	1 #10 w/1 #12 w/1 to 4 #16 or #18	2 #12 w/1 #16 w/1 to 3 #18	1 #16 w/1 #18 w/1 to 3 #22	5 #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 Twister® ProFLEX™ PLUS					
Model	600 Volt Maximum				
345 Strip wires 1/2"	1 to 3 #10	2 #14 w/1 #8	2 #18 w/1 or 2 #10	4 #22 w/1 or 2 #20, #18 or #16	
	1 to 3 #12	3 #14 w/1 #12 or #10	3 #18 w/1 to 3 #16, #14 or #12	1 #22 w/1 #18 w/1 #16	
	4 #12 sol	3 #14 w/2 #12	3 #18 w/1 or 2 #10	1 #22 w/1 #20 w/1 or 2 #16 1 #14	
	1 to 5 #14	4 #14 w/1 #12 or #10	4 #18 w/1 or 2 #16, #14 or #12	w/1 or 2 #12 w/1 #10 2 #14 w/1	
	1 #16 str.	1 #16 w/1 to 4 #14 or #12	4 #18 w/1 #10	#12 w/1 #10	
	2 to 6 #16	1 #16 w/1 or 2 #10	5 #18 w/1 #16 or #14	1 #16 w/1 #12 w/1 #10	
	2 to 6 #18	2 #16 w/1 to 4 #14	1 #20 w/1 to 4 #18, #16 or #14	2 #16 w/1 #14 w/1 or 2 #12 2 #16	
	2 or 6 #20	2 #16 w/1 to 3 #12	2 #20 w/1 to 3 #18, #16 or #14	w/2 #14 w/1 #12	
	1 #10 w/1 #8	2 #16 w/1 or 2 #10	3 #20 w/1 or 2 #18, #16 or #14	2 #16 w/1 #12 w/1 #10	
	1 #12 w/1 or 2 #10	3 #16 w/1 to 3 #14	4 #20 w/1 or 2 #18, #16 or #14	3 #16 w/1 #14 w/1 #12 or #10 4	
	1 #12 w/1 #8	3 #16 w/1 or 2 #12 or #10	3 to 6 #22	#16 w/1 #12 w/1 #10	
	2 #12 w/1 #10	4 #16 w/1 or 2 #14 or #12	1 #22 sol w/1 #20 sol	1 #18 w/1 to 4 #16, #14 or #12 5	
	1 #14 str. w/1 or 2 #12 str.	4 #16 w/1 #10	1 #22 w/2 to 5 #20	#16 sol w/1 #10 sol	
	1 #14 sol w/1 to 3 #12	5 #16 w/1 #14	1 #22 w/1 to 5 #18 or #16	1 #16 w/1 or 2 #14 w/1 #12 or #10	
	1 #14 w/1 or 2 #10	2 #18 w/1 to 4 #16 or #14	2 #22 w/1 to 4 #20, #18 or #16	1 #18 w/1 or 2 #10	
2 #14 w/1 or 2 #12 or #10	3 #18 w/1 to 3 #12	3 #22 w/1 to 3 #20, #18 or #16			
IDEAL Twister® ProFLEX™					
Model	1000 Volt Maximum				
347 Strip wires 1/2" (13 mm); 7/16" (11 mm) for 4 #10 AWG Str.	1 #6	1 #10 w/2 #12 w/1 to 3 #16	2 #12 w/2 #14 w/1 or 2 #16	1 #16 w/1 #18 w/1 to 3 #20	
	1 or 2 #8	1 #10 w/2 #12 w/1 to 3 #18	2 #12 w/1 to 4 #18, #16 or #14	2 #16 w/1 #20 w/1 or 2 #22	
	1 to 4 #10	1 #10 w/2 #12 w/1 or 2 #14	3 #12 w/1 to 3 #18, #16 or #14	2 #16 w/2 #20 w/1 or 2 #22	
	1 to 5 #12	1 #10 w/3 #12 w/1 #14	3 #12 w/1 #16 w/1 or 2 #18	2 #16 w/1 #18 w/1 to 3 #22	
	1 to 6 #14, #16	2 #10 w/1 to 4 #18 or #16	3 #12 w/1 #14 w/1 or 2 #18	2 #16 w/1 #18 w/1 to 3 #20	
	2 to 6 #18	2 #10 w/1 to 3 #14 or #12	3 #12 w/1 #14 w/1 or 2 #16	2 #16 w/1 to 4 #22, #20 or #18	
	3 to 6 #20	2 #10 w/1 #16 w/1 to 3 #18	3 #12 w/2 #14 w/1 #16	3 #12 w/1 to 3 #22, #20 or #18	
	4 to 6 #22	2 #10 w/2 #14 w/1 or 2 #16	4 #12 w/1 or 2 #16	3 #16 w/1 or 2 #22 w/1 #20	
	1 #6 w/1 or 2 #12	2 #10 w/1 #12 w/1 to 3 #16	4 #12 w/1 #14	3 #16 w/1 #18 w/1 or 2 #22	
	1 #6 w/1 #10	2 #10 w/1 #12 w/1 or 2 #14	4 #12 w/1 #16 w/1 #18	3 #16 w/1 #18 w/1 or 2 #20	
	1 #6 w/2 #14 w/1 or 2 #16	2 #10 w/2 #12 w/1 or 2 #18	4 #12 w/1 #14 w/1 #18 or #16	4 #16 w/1 or 2 #22, #20 or #18	
	1 #6 w/1 #12 w/1 or 2 #14	2 #10 w/2 #12 w/1 or 2 #16	1 #14 w/1 to 5 #22 or #20	4 #16 w/1 #22 w/1 #20	
	1 #6 w/2 #12 w/1 #18	2 #10 w/2 #12 w/1 #14	1 #14 w/1 to 5 #18 or #16	4 #16 w/1 #18 w/1 #22	
	1 #6 w/1 #10 w/1 #14	3 #10 w/1 to 3 #18 3 #10 w/1 or 3 #16	1 #14 w/1 #16 w/1 to 3 #18	4 #16 w/1 #18 w/1 #20	
	1 #8 w/1 to 5 #16	3 #10 w/1 or 2 #14	2 #14 w/1 #16 w/1 to 3 #18	5 #16 w/1 #22, #20 or #18	
	1 #8 w/1 to 4 #14	3 #10 w/1 #12	2 #14 w/1 to 4 #22 or #20	1 #18 w/1 to 5 #22 or #20	
	1 #8 w/1 to 3 #12	3 #10 w/1 #16 w/1 or 2 #18	2 #14 w/1 to 4 #18 or #16	1 #20 w/1 #22 w/1 to 3 #18	
	1 #8 w/2 #12 w/1 or 2 #14	3 #10 w/1 #14 w/1 or 2 #18	3 #14 w/1 to 3 #22 or #20	1 #20 w/2 #22 w/1 to 3 #18	
	1 #8 w/1 or 2 #10	3 #10 w/1 #14 w/1 #16	3 #14 w/1 to 3 #18 or #16	2 #20 w/1 #22 w/1 to 3 #18	
	1 #8 w/1 #10 w/1 or 2 #14, #12	3 #10 w/1 #12 w/1 #18	3 #14 w/1 #16 w/1 or 2 #18	2 #18 w/1 to 4 #22, #20	
	1 #8 w/2 #10 w/1 #14	3 #10 w/1 #12 w/1 #16	4 #14 w/1 or 2 #22	3 #18 w/1 to 3 #22 or #20	
	1 #10 w/1 to 5 #18, #16 or #14	1 #12 w/1 to 5 #18, #16 or #14	4 #14 w/1 or 2 #20, #18 or #16	4 #18 w/1 or 2 #22 or #20	
	1 #10 w/1 to 4 #12	1 #12 w/1 #16 w/1 to 3 #18	4 #14 w/1 #16 w/1 #18	5 #18 w/1 #22 or #20	
	1 #10 w/1 #16 w/1 to 4 #18	1 #12 w/1 #14 w/1 to 3 #18	5 #14 w/1 #18 or #16	1 #20 w/2 to 5 #22	
	1 #10 w/1 #14 w/1 to 4 #16 or #18	1 or 2 #12 w/1 #14 w/1 to 3 #16	1 #16 w/1 to 5 #22, #20 or #18	2 #20 w/1 to 4 #22	
	1 #10 w/2 #14 w/1 to 3 #16	1 #12 w/2 #14 w/1 or 2 #16	1 #16 w/1 #20 w/1 or 2 #22	3 #20 w/1 to 3 #22	
	1 #10 w/1 #12 w/1 to 4 #14	2 #12 w/1 #14 w/1 to 3 #18	1 #16 w/2 #20 w/1 or 2 #22	4 #20 w/1 or 2 #22	
	1 #10 w/1 #12 w/1 to 4 #16 or #18	2 #12 w/1 #16 w/1 to 3 #18	1 #16 w/1 #18 w/1 to 3 #22	5 #20 w/1 #22	
	IDEAL Twister® ProFLEX™ MAX				
	Model	1000 Volt Maximum			
348 Strip wires 7/8"	1 or 2 #6	2 #6 w/1 #14 or #12	1 #8 w/1 #12 w/1 to 4 #14	1 #10 w/1 #12 w/1 to 4 #14	
	2 or 3 #8	1 #6 w/1 #12 w/1 to 4 #14	1 #8 w/2 #12 w/1 to 3 #14	1 #10 w/2 #12 w/1 to 3 #14	
	2 to 5 #10	1 #6 w/2 #12 w/1 to 3 #14	1 #8 w/3 #12 w/1 or 2 #14	1 #10 w/3 #12 w/1 or 2 #14	
	3 to 6 #12	1 #6 w/3 #12 w/1 or 2 #14	1 #8 w/4 #12 w/1 #14	1 #10 w/4 #12 w/1 #14	
	5 or 6 #14	1 #6 w/4 #12 w/1 #14	1 #8 w/1 #10 w/1 to 4 #14	1 #10 w/2 to 4 #12	
	1 #8 w/1 to 5 #14 or #12	1 #6 w/1 #10 w/1 to 4 #14	1 #8 w/1 #10 w/1 to 4 #12	2 #10 w/1 #12 w/1 to 3 #14	
	1 #8 w/1 to 4 #10	1 #6 w/1 #10 w/1 to 3 #12	1 #8 w/2 #10 w/1 to 3 #14	2 #10 w/2 #12 w/1 or 2 #14	
	1 #10 w/3 to 5 #14	1 #6 w/2 #10 w/1 or 2 #14	1 #8 w/2 #10 w/1 to 3 #12	2 #10 w/3 #12 w/1 #14	
	1 #12 w/4 or 5 #14	1 #6 w/2 #10 w/1 #12	1 #8 w/3 #10 w/1 or 2 #14	2 #10 w/1 to 4 #14 or #12	
	2 #12 w/2 to 4 #14	1 #6 w/1 #8 w/1 to 3 #14	1 #8 w/3 #10 w/1 #12	3 #10 w/1 #12 w/1 or 2 #14	
	3 #12 w/1 to 3 #14	1 #6 w/1 #8 w/1 or 2 #12	2 #8 w/1 #12 w/1 to 3 #14	3 #10 w/2 #12 w/1 #14	
	4 #12 w/1 #14	1 #6 w/1 #8 w/1 #10	2 #8 w/2 #12 w/1 or 2 #14	3 #10 w/1 to 3 #14	
	1 #6 w/1 to 4 #14	2 #8 w/1 to 4 #14	2 #8 w/3 #12 w/1 #14	3 #10 w/1 to 3 #12	
	1 #6 w/1 to 5 #12	2 #8 w/1 to 3 #12	2 #8 w/1 #10 w/1 to 3 #14	4 #10 w/1 #14 w/1 #12	
	1 #6 w/1 to 3 #10	2 #8 w/1 or 2 #10	2 #8 w/1 #10 w/1 or 2 #12		
1 #6 w/1 or 2 #8	3 #8 w/1 or 2 #14	2 #8 w/2 #10 w/1 #14 sol			



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			
61® Strip wires 3/8"; Strip wires #18 and smaller 7/16"	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 w/1 #16 1 #14 w/ 1 #16 w/ 1 #18	1 #14 w/1 or 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 3 #22 2 #16 w/1 or 2 #20 1 #16 w/1 or 2 #18	1 #16 w/1 to 3 #22 or #20 3 #18 w/1 #22 or #20 2 #18 w/1 or 2 #22 or #20 1 #18 w/2 to 4 #20 1 #18 w/3 to 4 #22 1 or 2 #16 w/1 #20 w/1 #22 1 or 2 #18 w/1 #20 w/1 #22	
Model	600 Volt Maximum			
62® Strip wires 1/2"	1 to 3 #12 1 to 5 #14 1 to 6 #16 3 to 6 #18 1 #18 w/2 or 3 #16 1 #18 w/1 to 3 #14 or #12 2 #16 w/1 to 4 #14 2 #16 w/1 to 3 #12 1 #16 w/1 to 2 #14 w/1 #10	1 #18 w/1 or 2 #10 2 #18 w/1 to 3 #16, #14, or #12 2 #18 w/1 or 2 #10 3 #18 w/1 or 2 #16, #14, #12, or #10 4 #18 with 1 or 2 #16 or #14 4 #18 w/1 to 2 #12 4 #18 w/1 #10 2 #16 with 1 #10 3 #16 w/1 #12 w/1 #10	3 #16 w/1 or 2 #14 or #12 3 #16 w/1 #10 str. 4 #16 w/1 #14 or #12 1 #14 Sol w/1 or 2 #12 1 #14 w/1 or 2 #10 1 #14 w/1 #8 Str 2 #14 w/1 #12 or #10 2 #14 w/1 #8 Str or #10 2 #14 w/1 #12 w/ 1 #10 1 #14 w/1 #12 w/1 #10	3 #14 w/1 #10 3 #14 w/1 or 2 #12 1 #12 Sol w/1 #10 Sol 2 #12 w/1 #10 1 #16 w/1 or 2 #14 with 1 #12 1 #16 w/1 to 3 #14, #12 1 #16 w/1 to 2 #10 1 #16 w/1 #12 w/1 #10 2 #16 w/1 #14 w/1 to 2 #12 2 #16 w/1 #12 w/1 #10
Model	600 Volt Maximum			
63® Strip wires 5/8", 7/16" for #18 and smaller	3 to 6 #14 2 to 6 #12 2 to 5 #10 1 to 2 #8 3 #18 w/3 #16 or #14 3 #18 w/1 or 2 #12 or #10 4 #18 w/1 or 2 #16, #14, or #12 5 #18 w/1 #16, #14, #12, or #10 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 or 2 #10 3 #16 w/ 1 to 3 #14 3 #16 w/ 1 or 2 #12 or #10	4 #16 w/ 1 or 2 #14 or #10 4 #16 w/ 1 #10 1 #14 w/ 1 to 4 #12 1 #14 w/ 1 to 3 #10 1 #14 w/ 1 or 2 #8 1 or 2 #14 w/ 1 #16 2 #14 w/ 1 to 4 #12 or #10 2 #14 w/ 1 #18 3 #14 w/ 1 to 3 #12 or #10 3 or 4 #14 w/ 1 #18 3 #14 w/ 1 #16 4 #14 w/ 1 or 2 #12 or #10 4 #14 w/ 1 #16 5 #14 w/ 1 #12 or #10	5 #14 w/ 1 #18 1 #12 w/ 1 or 2 #10 1 #12 w/ 3 #10 1 #12 w/ 1 or 2 #8 1 or 2 #12 w/ 1 or 2 #6 2 #12 w/ 1 or 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 #10 w/ 1 or 2 #8 1 #8 w/ 1 #16 1 #16 w/ 1 #14 w/ 1 or 2 #12	2 #16 w/ 1 #14 w/ 1 or 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 or 2 #12 4 #16 w/ 1 #14 w/ 1 #12 or #10 1 #16 w/ 1 #12 w/ 1 or 2 #10 1 #14 w/ 1 #12 w/ 1 or 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 #8 2 #14 w/ 1 #10 w/ 1 #8 3 #14 w/ 1 #10 w/ 1 #8 1 #12 w/ 1 #10 w/ 1 #8
Model	600 Volt Maximum			
60® 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 or 2 #12	1 #14 w/1 or 2 #10 1 #14 w/1 #10 w/1 #12 2 #14 w/1 #12 2 #14 w/1 #10 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 or 2 #14 2 #16 w/1 or 2 #12 2 #16 w/1 #12 w/1 #14 2 #16 w/1 or 2 #14 2 #16 w/1 #10 3 #16 w/1 or 2 #14 3 #16 w/1 #12	1 #18 w/1 to 3 #12, #14 or #16 2 #18 w/1 or 2 #10 or #12 2 #18 w/1 or 2 #14 or #16 3 #18 w/1 or 2 #16 or #14 3 #18 w/1 #10 1 #20 w/1 to 4 #16 or #18
Model	600 Volt Maximum			
64® Strip wires 5/8"	3 or 4 #22 solid 3 or 4 #20 solid 2 to 4 # 18 solid 2 to 4 #16 2 to 5 #14 1 to 3 #12 4 #12 sol. 1 to 3 #10 1 #20 solid w/ 1 to 4 # 18 or 16 2 #20 solid w/ 1 to 3 # 18 or 16 3 #20 solid w/ 1 or 2 #18 or 16 1 #18 w/ 1 to 4 # 16, 14, 12	1 #18 w/ 1 to 2 #10 2 #18 w/ 1 to 3 #16, 14, 12 2 #18 w/ 1 to 2 #10 3 #18 w/ 1 to 2 #16, 14, 12 3 #18 w/ 1 or 2 #10 1 #16 w/ 1 to 4 #14, 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 or 2 # 12, 10	1 #14 solid w/ 1 or 3 #12 1 #14 w/ 1 or 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 or 2 #10 1 #12 w/ 1 #8 2 #12 w/ 1 #10 1 #10 w/ 1 #8	1 #16 w/ 1 or 2 #14 w/ 1 #12 or 10 1 #16 w/ 1 #12 w/ 1 #10 2 #16 w/ 1 #14 w/ 1 or 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 1 #14 w/ 1 or 2 #12 w/ 1 #10 2 #14 w/ 1 #12 w/ 1 #10 1 #22 solid w/ 1 #18 w/ 1 #16 1 #22 solid w/ 1 #20 solid w/ 1 or 2 #16
Model	600 Volt Maximum			
66® Strip wires 1"	1 or 2 #6 2 or 3 #8 2 to 5 #10 3 to 6 #12 1 #6 w/1 or 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 or 2 #14 1 #8 w/1 to 4 #10 1 #8 w/1 to 5 #12 or #14 2 #8 w/1 or 2 #10	2 #8 w/1 to 3 #12 2 #8 w/1 to 4 #14 3 #8 w/1 or 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 or 2 #12 or #14 1 #12 w/4 or 5 #14 2 #12 w/2 to 4 #14 3 #12 w/1 to 3 #14 4 #12 w/1 #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® Al/Cu Wire Connectors				
Model	600 Volt Maximum			
	Copper-to-Copper ONLY Combinations			Copper-to-Aluminum combinations. Not for use on Aluminum-to-Aluminum conductors.*
65® Strip wires 1/2" (13mm)	1 to 3 #10	2 #18 w/1 to 4 #16, #14, #12	1 #10 Al sol. w/1 or 2 #10 CU sol.	1 #10 Al w/1 or 2 #14 CU
	4 #12 sol	2 or 3 #18 w/1 or 2 #10	3 #14 w/2 #12	1 #10 Al w/1 or 2 #16 CU
	1 to 3 #12	4 #18 w/1 or 2 #16, #14, #12	4 #14 w/1 #12 or #10	1 #10 Al w/1 or 2 #18 CU
	1 to 5 #14	4 #18 w/1 #10	1 #12 w/1 or 2 #10	2 #10 Al sol. w/1 #12 CU
	1 to 6 #16	5 #18 w/1 #16 or #14	1 #12 w/1 #8	2 #10 Al sol. w/1 #14 CU
	2 to 6 #18	1 #16 w/1 to 4 #14, #12	2 #12 w/1 #10	2 #10 Al sol. w/1 #16 CU
	3 to 6 #20	1 #16 w/1 or 2 #10	1 #10 w/1 #8	2 #10 Al sol. w/1 #18 CU
	4 to 6 #22	2 #16 w/1 to 4 #14	1 #22 w/1 #18 w/1 #16	1 #12 Al sol. w/1 or 2 #10 CU
	2 #22 w/3 to 5 #20	3 #16 w/1 to 3 #14	1 #22 w/1 #20 w/1 or 2 #16	1 #12 Al str. w/1 or 2 #10 CU sol.
	1 #22 w/1 to 5 #18, #16	3 #16 w/1 or 2 #12, #10	1 #16 w/1 or 2 #14 w/1 #12 or #10	1 #12 Al w/1 or 2 #12 CU
	2 #22 w/1 to 4 #20, #18, #16	4 #16 w/1 or 2 #14, #12	1 #16 w/1 #12 w/1 #10	1 #12 Al w/1 or 2 #14 CU
	3 #22 w/1 to 3 #20, #18, #16	4 #16 w/1 #10	2 #16 w/1 #14 w/1 or 2 #12	1 #12 Al w/1 or 2 #16 CU
	4 #22 w/1 or 2 #20, #18, #16	5 #16 w/1 #14	2 #16 w/2 #14 w/1 #12	1 #12 Al w/1 or 2 #18 CU
	1 #20 w/1 to 4 #18, #16, #14	5 #16 sol w/1 #10 sol	2 #16 w/1 #12 w/1 #10	2 #12 Al sol. w/1 #10 CU
	2 #20 w/1 to 3 #18, #16, #14	1 #14 sol w/1 to 3 #12	3 #16 w/1 #14 w/1 #12 or #10	2 #12 Al sol. w/1 #12 CU
	3 #20 w/1 or 2 #18, #16, #14	1 or 2 #14 w/1 or 2 #10	4 #16 w/1 #12 w/1 #10	2 #12 Al sol. w/1 #14 CU
	4 #20 w/1 or 2 #18, #16, #14	2 #14 w/1 or 2 #10	1 #14 w/1 or 2 #12 w/1 #10	2 #12 Al sol. w/1 #16 CU
	1 #18 w/1 to 4 #16, #14, #12	2 #14 w/1 #8	2 #14 w/1 #12 w/1 #10	2 #12 Al sol. w/1 #18 CU
	1 #18 w/1 or 2 #10	3 #14 w/1 #12 or #10	1 #10 Al w/1 or 2 #12 CU	
	*Unless otherwise noted.			
BUCHANAN B-CAP® Wire Connectors				
Model	600 Volt Maximum			
B1 Strip wires 1/2"; Strip wires #16 and smaller 5/8"	2 or 3 #12	#16 w/#22 2 or 6"	#12 w/#18 2 or 3"	
	2 to 4 #14	#16 w/#20 2 or 6"	#12 w/#16 2 or 3"	
	2 to 5 #16	#16 w/#18 2 or 6"	#12 w/#14 2 or 3"	
	2 to 6 #18	#14 w/#22 2 or 4"	1 #10 w/1 #12	
	3 to 6 #20	#14 w/#20 2 or 4"	1 #10 w/1 or 2 #14	
	4 to 6 #22	#14 w/#18 2 or 4"	1 #10 w/1 or 2 #16	
	#20 w/#22 3 or 6"	#14 w/#16 2 or 4"	1 #10 w/1 to 3 #18	
	#18 w/#22 3 or 6"	#12 w/#22 2 or 3"		
#18 w/#20 3 or 6"	#12 w/#20 2 or 3"			
Model	600 Volt Maximum			
B2 Strip wires 1/2"; Strip wires #16 and smaller 5/8"	2 #10 stranded	3 to 6 #20	#14 w/#18 2 or 6"	2 #10 w/1 to 3 #16 1 #10 w/1 to 4 #14
	2 or 3 #10 solid	5 or 6 #22	#14 w/#16 2 or 6"	2 #10 w/1 or 2 #14
	2 to 4 #12 stranded	#20 w/#22 4 or 6"	#12 w/#22 2 or 6"	1 #10 w/1 to 3 #12
	2 to 5 #12 solid	#18 w/#22 3 or 6"	#12 w/#20 2 or 6"	2 #10 w/1 #12
	2 to 5 #14 stranded	#18 w/#20 3 or 6"	#12 w/#18 2 or 5"	1 #8 stranded w/1 #14 stranded
	2 to 6 #14 solid	#16 w/#22 3 or 6"	#12 w/#16 2 or 5"	1 #8 stranded w/1 #12 stranded
	2 to 5 #16 stranded	#16 w/#20 2 or 6"	#12 w/#14 2 or 5"	1 #8 stranded w/1 #10 stranded
	2 to 6 #16 solid	#16 w/#18 2 or 6"	1 #10 w/1 to 4 #18	1 #12 w/1 #14 w/1 to 4 #16
	2 to 5 #18 stranded	#14 w/#22 2 or 6"	2 #10 w/1 to 3 #18	1 #12 w/2 #14 w/1 or 2 #16
	2 to 6 #18 solid	#14 w/#20 2 or 6"	1 #10 w/1 to 4 #16	2 #12 w/1 #14 w/1 to 3 #16
Model	600 Volt Maximum			
B4 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 or 6"	2 #8 w/1 to 3 #12	1 #6 w/1 to 4 #12
	2 to 4 #10 stranded	#10 w/#14 2 or 5"	3 #8 solid w/1 #12	1 #6 w/1 or 2 #10
	2 to 5 #10 solid	#10 w/#12 2 or 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	
Model	600 Volt Maximum			
BGR/WGR Strip wires 1"	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	1 #10 w/1 #12 w/1 to 3 #14	2 #12 w/1 to 3 #14
	2 #10 w/1 or 2 #12	1 #10 w/1 to 4 #14	4 #12 w/1 #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		



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 B-Twist™ Wire Connectors				
Model	600 Volt Maximum			
BT2 Strip wires 1/2"	1 to 4 #10	1 #10 w/2 #12 w/1 to 3 #18 or #16	1 or 2 #12 w/1 #14 w/1 to 3 #18 or #16	1 #16 w/1 #18 w/1 to 3 #22 or #20
	1 to 5 #12	1 #10 w/2 #12 w/1 or 2 #14	1 or 2 #12 w/2 #14 w/1 #16	2 #16 w/1 to 3 #22, #20 or #18
	1 to 6 #14 or #16	1 #10 w/3 #12 w/1 #14	2 #12 w/1 to 4 #18, #16 or #14	3 #16 w/1 to 3 #22 w/1 #20
	2 to 6 #18	1 #10 w/1 to 4 #18 or #16	3 #12 w/1 to 3 #18, #16 or #14	3 #16 w/1 or 2 #22 w/1 #20
	3 to 6 #20	2 #10 w/1 to 3 #14	3 #12 w/1 #16 w/1 or 2 #18	3 #16 w/1 #18 or 2 #22 or #20
	4 to 6 #22	2 #10 w/1 to 3 #12	3 #12 w/1 #14 w/1 or 2 #18 or #16	4 #16 w/1 or 2 #22, #20 or #18
	1 #8 w/1 to 5 #16	2 #10 w/1 #16 w/1 to 3 #18	3 #12 w/2 #14 w/1 #16	4 #16 w/1 #22 w/1 #20
	1 #8 w/1 to 4 #14	2 #10 w/2 #14 w/1 or 2 #16	4 #12 w/1 or 2 #16	4 #16 w/1 #18 w/1 #22 or #20
	1 #8 w/1 to 3 #12	2 #10 w/1 #12 w/1 to 3 #16	4 #12 w/1 #14	5 #16 w/1 #22, #20 or #18
	1 #8 w 2 #12 w/1 to 4 #14	2 #10 w/1 #12 w/1 to 4 #14	4 #12 w/1 #16 w/1 #18	1 #18 w/1 to 5 #22 or #20
	1 #8 w/1 or 2 #10	2 #10 w/2 #12 w/1 or 2 #18 or #16	4 #12 w/1 #14 w/1 #18 or #16	1 to 3 #18 w/1 or 2 #22 w/1 #20
	1 #8 w/1 #10 w/1 or 2 #14 or #12	2 #10 w/2 #12 w/1 #14	1 #14 w/1 to 5 #22, #20, #18 or #16	1 to 3 #18 w/2 #22 or #20
	1 #8 w/2 #10 w/1 #14	3 #10 w/1 to 3 #18 or #16	1 or 2 #14 w/1 #16 w/1 to 3 #18	2 #18 w/1 to 4 #22 or #20
	2 #8	3 #10 w/1 or 2 #14	2 #14 w/1 to 4 #22, #20, #18 or #16	3 #18 w/1 to 3 #22 or #20
	1 #10 w/1 to 5 #18, #16 or #14	3 #10 w/1 #12	3 #14 w/1 to 3 #22, #20, #18 or #16	4 #18 w/1 or 2 #22 or #20
	1 #10 w/1 to 4 #12	3 #10 w/1 #16 w/1 or 2 #18	3 #14 w/1 #16 w/1 or 2 #18	5 #18 w/1 #22 or #20
	1 #10 w/1 #16 w/1 to 4 #18	3 #10 w/1 #14 w/1 or 2 #18	4 #14 w/1 or 2 #22, #20, #18 or #16	1 #20 w/3 to 5 #22
1 #10 w/1 #14 w/1 to 4 #18 or #16	3 #10 w/1 #14 w/1 #16	4 #14 w/1 #16 w/1 #18	2 #20 w/2 to 4 #22	
1 #10 w/2 #14 w/1 to 3 #16	3 #10 w/1 #12 w/1 #18 or #16	5 #14 w/1 #18 or #16	3 #20 w/2 or 3 #22	
1 #10 w/1 #12 w/1 to 4 #18 or #16	1 #12 w/1 to 5 #18, #16 or #14	1 #16 w/1 to 5 #22, #20 or #18	4 #20 w/2 #22	
1 #10 w/1 #12 w/1 to 4 #14	1 or 2 #12 w/1 #16 w/1 to 3 #18	1 or 2 #16 w/1 or 2 #20 w/1 or 2 #22 or #20	5 #20 w/1 #22	
BUCHANAN WireTwist™ Wire Connectors				
Model	300 Volt Maximum	600 Volt Maximum		
WT1 Strip solid wires 1/4"; strip stranded wires 5/16"	1 #14	1 #18 w/1 to 3 #20		
	1 or 2 #16	1 #18 w/1 to 4 #22		
	2 or 3 #18	2 #22 stranded only		
	2 to 4 #20	4 #20 w/1 #22		
	3 or 4 #22	3 #20 w/1 or 2 #22		
	5 #22 solid	2 #20 w/1 to 3 #22		
	1 #14 w/1 #20 or #22	1 #20 w/1 to 4 #22		
	1 #16 w/1 #18	1 #16 w/1 #20 w/1 #18 or #20		
	1 #16 w/1 or 2 #20	1-2 #18 w/1 #20 w/1 #22		
	1 #16 w/1 to 3 #22			
BUCHANAN WireTwist™ Wire Connectors				
Model	300 Volt Maximum	600 Volt Maximum		
WT2 Strip wires 3/8"; strip wires #16 and smaller 1/2"	1 #14 Stranded only	1 #16 w/1 to 3 #18		
	1 #16 Stranded only	1 #16 w/1 #18 w/1 #20		
	2 or 3 #16	1 #16 w/1 to 4 #20 or #22		
	1 #18 Stranded only	4 #18 w/1 #20 or #22		
	2 to 4 #18	3 #18 w/1 or 2 #20 or #22		
	3 to 5 #20	2 #18 w/1 to 3 #20 or #22		
	1 #14 w/1 #16	1 #18 w/2 to 4 #20		
	1 #14 w/1 or 2 #18	1 #18 w/3 or 4 #22		
	1 #14 w/1 to 3 #20	4 #20 w/1 #22		
	1 #14 w/1 to 4 #22	3 #20 w/1 or 2 #22		
2 #16 w/1 #18	2 #16 w/1 #20 w/1 #22			
2 #16 w/1 or 2 #20	1 #16 w/1 #22 w/1 #18 or #20			
2 #16 w/1 to 3 #22	1 or 2 #18 w/1 #20 w/1 #22			
BUCHANAN WireTwist™ Wire Connectors				
Model	300 Volt Maximum	600 Volt Maximum		
WT3 Strip wires 5/16"; strip wires #16 and smaller 3/8"	5 #18	2 #16 w/2 or 3 #18	1 or 2 #14	2 #16 w/1 or 2 #22
	5 #22	2 #16 w/3 #22	1 #16 Stranded only	1 #16 w/1 or 2 #18
	3 or 4 #16	2 #16 w/3 #20	2 #16	1 #16 w/1 to 3 #20 or #22
	4 or 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 or 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 or 2 #18	1 #18 w/3 or 4 #22
	1 #14 w/4 #20	4 #20 w/1 #22	1 #14 w/1 to 3 #20	1 or 2 #16 w/1 #20 w/1 #22
	4 #16 w/1 #20 or #22	3 #20 w/1 or 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 or 3 #22	2 #16 w/1 #18	1 or 2 #18 w/1 #20 w/1 #22
	3 #16 w/1 or 2 #20 or #22	1 #20 w/4 #22	2 #16 w/1 or 2 #20	



UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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BUCHANAN WireTwist™ Wire Connectors				
Model	300 Volt Maximum		600 Volt Maximum	
WT4 Strip wires 3/8"; strip wires #16 and smaller 7/16"	2 #10		1 #8	2 #14 w/1 #16 w/1 to 3 #22
	3 #12		1 #10	3 #16 w/1 or 2 #22 or #20
	5 #16 or #18		1 or 2 #12	4 #16 w/1 #22 or #20
	1 #10 w/3 or 4 #18		1 to 3 #14	1 #18 w/2 #20
	1 #10 w/2 #14		2 to 5 #16	1 #18 w/3 #22
	1 #10 w/1 #16 w/4 #20		2 to 6 #18	2 #18 w/3 #20
	1 #10 w/1 #16 w/3 or 4 #18		3 or 4 #20	3 #18 w/1 or 2 #22 or #20
	1 #10 w/1 #14 w/4 #22		4 #22	4 #18 w/1 #22 or #20
	1 #10 w/1 #14 w/3 #20		1 #10 w/1 #14	2 #12 w/1 #18 w/1 or 2 #20
	1 #10 w/1 #14 w/2 to 4 #18		1 #10 w/1 #12	1 #14 w/1 #16 w/1 to 4 #22
	1 #10 w/1 #14 w/2 #16		1 #12 w/1 to 4 #20, #18, or #16	2 #14 w/1 or 2 #20 w/1 or 2 #22
	1 #10 w/2 #14 w/1 #16		1 #12 w/1 or 2 #14	3 #14 w/1 #18 w/1 or 2 #22
	1 #10 w/1 #12 w/1 or 2 #18		2 #12 w/1 or 2 #18	3 #14 w/1 #18 w/1 #20
	1 #10 w/1 #12 w/1 #16 or #14		2 #12 w/1 #16	1 #16 w/1 #20 w/4 #22
	1 #12 w/3 #14		1 #14 w/2 to 4 #20	1 #16 w/1 #18 w/3 or 4 #22
	2 #12 w/1 or 2 #14		1 #14 w/1 to 3 #18 or #16	1 #16 w/1 #18 w/2 to 4 #20
2 #12 w/3 #18		2 #14 w/1 to 3 #20	2 #16 w/1 or 2 #20 w/1 or 2 #22	
1 #14 w/4 #18 or #16		2 #14 w/1 or 2 #18 or #16	3 #16 w/1 #18 w/1 or 2 #22 or #20	
2 #14 w/3 #18 or #16		3 #14 w/1 or 2 #20	1 #18 w/2 #20 w/3 #22	
3 #14 w/2 #18 or #16		3 #14 w/1 #18 or #16	2 #18 w/1 #20 w/3 #22	
3 #14 w/1 #18 w/2 #20		4 #14 w/1 #20 or #18	3 #18 w/1 or 2 #20 w/1 #22	
4 #14 w/1 or 2 #16		1 #16 w/4 #20	1 #10 w/1 #16 w/1 or 2 #18	
1 #16 w/4 #18		1 #16 w/1 to 3 #18 or #20	1 #10 w/1 #14 w/1 or 2 #20	
2 #16 w/3 #18		1 #16 w/2 #22	1 #10 w/1 #14 w/1 #18	
3 #16 w/2 #18		2 #16 w/1 to 3 #20	1 #12 w/1 #16 w/1 to 4 #20 or #18	
4 #16 w/1 #18		2 #16 w/1 or 2 #18		
BUCHANAN WireTwist™ Wire Connectors				
Model	300 Volt Maximum		600 Volt Maximum	
WT6 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	2 #12 w/1 or 2 #18 or #16
	3 #10	2 #10 w/1 #12 w/1 or 2 #16	1 or 2 #10	1 #8 w/1 or 2 #14
	5 #12	3 #10 w/1 #18 or #16	1 to 4 #12	2 #12 w/1 to 3 #14
	1 #6 w/1 #14	2 #12 w/2 #14 w/2 #16	2 to 5 #14	2 #12 w/1 #16 w/1 to 3 #20
	1 #6 w/1 #12	3 #12 w/2 #14	4 to 6 #16	2 #12 w/1 #16 w/1 to 3 #18
	1 #6 w/1 #14 w/1 or 2 #18	3 #12 w/3 #16	1 #8 w/1 #12	2 #12 w/1 #14 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 #16
	1 #8 w/4 #16	3 #12 w/1 #14 w/1 or 2 #16	1 #10 w/1 to 3 #14	3 #12 w/1 #14
	1 #8 w/3 #14	3 #12 w/1 #14 w/1 or 2 #18	1 #10 w/1 or 2 #12	3 #12 w/1 or 2 #16 or #18
	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 #18 w/1 or 2 #20
	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 #16 w/1 or 2 #20
	1 #8 w/1 #14 w/4 #18		1 #10 w/1 #16 w/1 to 4 #18	2 #12 w/2 #14 w/1 #16 or #18
	1 #8 w/1 #12 w/1 to 4 #18 or #16		1 #10 w/1 #14 w/1 to 4 #16 or #18	1 #14 w/3 or 4 #18
	1 #8 w/1 #12 w/1 or 2 #14		1 #10 w/2 #14 w/1 or 2 #16	1 #14 w/1 #16 w/2 to 4 #20
	1 #8 w/2 #12 w/1 #16 or #14		1 #10 w/1 #12 w/1 to 3 #16 or #18	1 or 2 #14 w/1 #16 w/1 to 3 #18
	1 #8 w/1 #10 w/1 #14 or #12		1 #10 w/1 #12 w/1 or 2 #14	2 #14 w/2 to 4 #16
	1 #10 w/4 #14		1 #10 w/2 #12 w/1 #16 or #18	2 #14 w/1 #18 w/1 to 3 #22 or #20
	1 #10 w/3 #12		2 #10 w/1 to 3 #18	2 #14 w/1 #16 w/1 to 3 #22 or #20
	1 #10 w/2 #14 w/3 #16		2 #10 w/1 or 2 #16	3 #14 w/1 or 2 #18 or #16
	1 #10 w/1 #12 w/4 #16		2 #10 w/1 #14	3 #14 w/1 #16 w/1 or 2 #20
	1 #10 w/1 #12 w/3 or 4 #14		2 #10 w/1 #16 w/1 #18	3 #14 w/1 #16 w/1 or 2 #18
	1 #10 w/2 #12 w/2 or 3 #18 or #16		2 #10 w/1 #14 w/1 #20	1 #16 w/4 #18
	1 #10 w/2 #12 w/1 or 2 #14		1 #12 w/2-4 #20 or #18	2 #16 w/3 or 4 #18
	2 #10 w/3 #16		1 #12 w/1 to 4 #16 or #14	2 #16 w/1 #18 w/3 #22
2 #10 w/2 or 3 #14		1 #12 w/1 #16 w/1 to 4 #20	2 #16 w/1 #18 w/2 or 3 #20	
2 #10 w/1 or 2 #12		1 #12 w/1 #16 w/1 to 4 #18	3 #16 w/1 or 2 #20 or #18	
2 #10 w/1 #16 w/2 or 3 #18		1 #12 w/1 #14 w/1 to 4 #20, #18, or #16	4 #16 w/1 #20 or #18	
2 #10 w/1 #14 w/1 to 3 #18		1 #12 w/2 #14 w/1 to 3 #16		
2 #10 w/2 #14 w/1 #16				
BUCHANAN WingTwist™ Wire Connectors				
Model	600 Volt Maximum			
WT51 Strip wires 3/8"	1 #10	3 #16 w/1 to 3 #18	3 #14 w/1 or 2 #18	2 #12 w/1 or 2 #18
	1 to 3 #12 or #14	4 #16 w/1 or 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 or 2 #16 or #14
	2 #16 w/1 to 4 #18	2 #14 w/1 to 3 #18 or #16	1 #12 w/1 or 2 #14	1 #10 w/1 #12



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 WingTwist™ Wire Connectors					
Model	600 Volt Maximum				
WT41 Strip wires 1/2"	1 to 3 #10	4 #20 w/1 or 2 #18, #16 or #14	2 #16 w/1 to 3 #12 or #14	1 #12 w/1 #8	
	4 #12 solid	1 #16 stranded	3 #16 w/1 or 2 #12 or #10	2 #12 w/1 #10	
	1 to 3 #12	1 #18 w/1 to 4 #16, #14 or #12	4 #16 w/1 or 2 #14 or #12	1 #10 w/1 #8	
	1 to 5 #14	1 #18 w/1 or 2 #10	4 #16 w/1 #10	1 #22 w/1 #18 w/1 #16	
	2 to 6 #20, #18, or #16	2 #18 w/1 to 4 #16 or #14	5 #16 w/1 #14	1 #22 w/1 #20 w/1 or 2 #16	
	3 to 6 #22	2 #18 w/1 to 3 #12	5 #16 solid w/1 #10 solid	1 #16 w/1 or 2 #14 w/1 #12 or #10	
	1 #22 solid w/1 #20 solid	2 #18 w/1 or 2 #10	1 #14 solid w/1 to 3 #12	1 #16 w/1 #12 w/1 #10	
	1 #22 w/2 to 5 #20	3 #18 w/1 to 3 #16, #14 or #12	1 #14 w/1 or 2 #10	2 #16 w/1 #14 w/1 or 2 #12	
	1 #22 w/1 to 5 #18, #16	3 #18 w/1 or 2 #10	2 #14 w/1 or 2 #12	2 #16 w/2 #14 w/1 #12	
	2 #22 w/1 to 4 #20, #18 or #16	4 #18 w/1 or 2 #16, #14 or #12	2 #14 w/1 or 2 #12	2 #16 w/1 #12 w/1 #10	
	3 #22 w/1 to 3 #20, #18 or #16	4 #18 w/1 #10	2 #14 w/1 #8	3 #16 w/1 #14 w/1 #12 or #10	
	4 #22 w/1 or 2 #2, #18 or #16	5 #18 w/1 #16 or #14	3 #14 w/1 #12 or #10	4 #16 w/1 #12 w/1 #10	
	1 #20 w/1 to 4 #18, #16 or #14	1 #16 w/1 to 4 #14 or #12	3 #14 w/2 #12	1 #14 w/1 or 2 #12 w/1 #10	
	2 #20 w/1 to 3 #18, #16 or #14	1 #16 w/1 or 2 #10	4 #14 w/1 #12 or #10	2 #14 w/1 #12 w/1 #10	
3 #20 w/1 or 2 #18, #16 or #14	2 #16 w/1 to 4 #14	1 #12 w/1 or 2 #10			
Model	600 Volt Maximum				
WT52 Strip wires 1/2"	2 to 3 #10	1 #10 w/1 #12	1 #12 w/1 to 5 #16	1 #14 w/2 to 5 #16	
	2 to 5 #12	1 #8 w/1 #10, #12, or #14	1 #12 w/1 to 4 #14	2 #14 w/1 to 4 #18 or #16	
	2 to 6 #14	1 #10 w/2 to 5 #18	1 #12 w/1 #14 and 1 to 4 #16	3 #14 w/1 to 3 #16	
	4 to 6 #16	1 #10 w/1 to 4 #16	1 #12 w/2 #14 and 1 or 2 #16	4 #14 w/1 or 2 #18	
	6 #18	1 #10 w/1 or 2 #14 or #12	2 #12 w/3 or 4 #18	4 #14 w/1 #16	
	1 #12 w/5 #14	1 #10 w/1 #14 and 1 to 3 #16	2 #12 w/1 to 3 #16	5 #14 w/1 #18	
	1 #12 w/4 #16 or #14	1 #10 w/2 #14 and 1 #16	2 #12 w/1 to 3 #14	1 #16 w/4 or 5 #18	
	1 #12 w/2 #14	1 #10 w/1 #12 and 1 #14	2 #12 w/1 #14 and 1 or 2 #16	2 #16 w/2 to 4 #18	
	1 #12 w/1 #14	1 #10 w/1 #12 and 1 or 2 #16	3 #12 w/1 or 2 #16	3 #16 w/1 to 3 #18	
	1 #10 w/3 #14	2 #10 w/1 or 2 #16	3 #12 w/2 #18	4 #16 w/1 or 2 #18	
	1 #10 w/4 #14	2 #10 w/1 #14	1 #14 w/3 to 5 #18	5 #16 w/1 #18	
	1 #10 w/2 #14	1 #12 w/2 to 5 #18	1 #14 w/3 #12		
	Model	600 Volt Maximum			
	WT53 Strip wires 1/2"	1 #6	5 #14 w/1 #18 or #16	2 #10 w/1 to 4 #14	1 #10 w/1 #14 w/1 to 3 #16
2 #8		1 #12 w/3 to 5 #16	2 #10 w/1 or 2 #12	1 #10 w/2 #14 w/1 #16	
2 or 3 #10		1 #12 w/2 to 5 #14	3 #10 w/1 #14 or #12	1 #10 w/1 #12 w/1 or 2 #6	
2 to 6 #12		2 #12 w/3 or 4 #18	1 #8 w/1 to 5 #14	1 #10 w/1 #12 w/1 to 4 #14	
4 to 6 #14		2 #12 w/1 to 4 #16 or #14	1 #8 w/1 to 3 #12	1 #10 w/2 #12 w/1 to 3 #14	
4 #16 w/2 #18		3 #12 w/1 to 3 #18 or #16	1 #8 w/1 or 2 #10	1 #10 w/3 #12 w/1 #14	
1 #14 w/4 or 5 #16		3 #12 w/1 to 3 #14	2 #8 w/1 #14	2 #10 w/2 #12 w/1 or 2 #14	
2 #14 w/3 or 4 #18		4 #12 w/1 or 2 #16	1 #6 w/1 #10	1 #8 w/1 #12 w/1 to 3 #14	
2 #14 w/2 to 4 #16		1 #10 w/1 to 5 #16 or #14	1 #12 w/1 #14 w/1 to 4 #16	1 #8 w/2 #12 w/1 #14	
3 #14 w/1 to 3 #18 or #16		1 #10 w/1 to 4 #12	1 #12 w/2 #14 w/1 #16	1 #8 w/1 #10 w/1 or 2 #14	
4 #14 w/1 or 2 #18 or #16		2 #10 w/2 to 4 #18 or #16	2 #12 w/1 #14 w/1 or 2 #16	1 #8 w/1 #10 w/1 #12	
Model	600 Volt Maximum				
WT54 Strip wires 5/8"	1 or 2 #6	2 #8 w/1 to 4 #14	2 #10 w/3 #12 w/1 #14	2 #8 w/3 #12 w/1 #14	
	2 or 3 #8	2 #8 w/1 to 3 #12	3 #10 w/1 #12 w/1 or 2 #14	2 #8 w/1 #10 w/1 to 3 #14	
	2 to 5 #10	2 #8 w/1 or 2 #10	3 #10 w/2 #12 w/1 #14	2 #8 w/1 #10 w/1 or 2 #12	
	3 to 6 #12	3 #8 w/1 or 2 #14	4 #10 w/1 #12 w/1 #14	2 #8 w/2 #10 w/1 #14 Sol	
	5 or 6 #14	1 #6 w/1 to 4 #14	1 #8 w/1 #12 w/1 to 4 #14	1 #6 w/1 #12 w/1 to 4 #14	
	1 #12 w/4 or 5 #14	1 #6 w/1 to 5 #12	1 #8 w/2 #12 w/1 to 3 #14	1 #6 w/2 #12 w/1 to 3 #14	
	2 #12 w/2 to 4 #14	1 #6 w/1 to 3 #10	1 #8 w/3 #12 w/1 or 2 #14	1 #6 w/3 #12 w/1 or 2 #14	
	3 #12 w/1 to 3 #14	1 #6 w/1 or 2 #8	1 #8 w/4 #12 w/1 #14	1 #6 w/4 #12 w/1 #14	
	4 #12 w/1 #14	2 #6 w/1 #14	1 #8 w/1 #10 w/1 to 4 #14	1 #6 w/1 #10 w/1 to 4 #14	
	1 #10 w/3 to 5 #14	2 #6 w/1 #12	1 #8 w/1 #10 w/1 to 4 #12	1 #6 w/1 #10 w/1 to 3 #12	
	1 #10 w/2 to 4 #14	1 #10 w/1 #12 w/1 to 4 #14	1 #8 w/2 #10 w/1 to 3 #14	1 #6 w/2 #10 w/1 or 2 #14	
	2 #10 w/1 to 4 #14 or #12	1 #10 w/2 #12 w/1 to 3 #14	1 #8 w/2 #10 w/1 to 3 #12	1 #6 w/2 #10 w/1 #12	
	3 #10 w/1 to 3 #14 or #12	1 #10 w/3 #12 w/1 or 2 #14	1 #8 w/3 #10 w/1 or 2 #14	1 #6 w/1 #8 w/1 to 3 #14	
	4 #10 w/1 or 2 #14 or #12	1 #10 w/4 #12 w/1 #14	1 #8 w/3 #10 w/1 #12	1 #6 w/1 #8 w/1 or 2 #12	
	1 #8 w/1 to 5 #14 or #12	2 #10 w/1 #12 w/1 to 3 #14	2 #8 w/1 #12 w/1 to 3 #14	1 #6 w/1 #8 w/1 #10	
	1 #8 w/1 to 4 #10	2 #10 w/2 #12 w/1 or 2 #14	2 #8 w/2 #12 w/1 or 2 #14		



UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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IDEAL Set Screw Wire Connectors				
Model	300 Volt Maximum			
10	1 #10 or #12 1 or 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 or 2 #22 1 #12 str. w/1 #14 1 #12 str. w/1 #16 w/1 #18 1 #12 str. w/1 or 2 #18 or #20 1 #12 str. w/1 #18 or #20 w/1 or 2 #22 1 #12 w/3 or 4 #20 or #22 2 #14 w/1 #16	1 #14 w/1 or 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 or 2 #18 1 #14 w/1 to 3 #18 2 #14 str. w/1 #18 or #20 w/1 or 2 #22 1 #14 str. w/1 #18 or #20 w/1 or 2 #22 2 #14 w/1 to 3 #20 1 #14 w/3 to 5 #20 1 #14 str. w/1 or 2 #20 1 #14 str. w/2 to 5 #22 2 #14 w/3 or 4 #22 2 #14 str. w/1 or 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 or 2 #22 1 #16 w/1 #18 w/1 or 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 or 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 or 2 #22 2 #18 w/1 to 4 #20 or #22	2 #18 w/1 #20 w/1 or 2 #22 3 #18 w/1 to 4 #22 3 #18 w/1 to 3 #20 3 #18 w/1 #20 w/1 or 2 #22 4 #18 w/1 or 2 #20 or #22 4 #18 w/1 #20 w/1 or 2 #22 5 #18 w/1 #20 w/1 or 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 or 2 #22 5 #20 w/1 #22 3 #16 w/1 or 2 #18
Model	600 Volt Maximum			
11	1 #10 2 #12 2 or 3 #14 4 or 5 #16 1 #10 str. w/1 or 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 or 3 #20 2 #12 w/1 or 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 to 3 #22 3 #14 w/1 or 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 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 or 4 #20 w/3 to 5 #22 5 #20 w/1 to 5 #22
Model	600 Volt Maximum			
22	1 or 2 #10 2 to 4 #12 2 to 6 #14 4 to 6 #16 2 to 6 #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 or 2 #12	2 #10 w/2 to 4 #20 2 #10 w/1 to 3 #18 2 #10 w/1 or 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 or 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 or 3 #20 3 #14 w/1 to 3 #16 4 #14 w/1 or 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 or 3 #18 str. 4 #16 w/1 or 2 #18 5 #16 w/1 #18
IDEAL Crimp Connectors				
Model	600 Volt Maximum			
48 Crimp	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 or 2 #18 1 #14 w/1 #16 1 #14 w/1 #18 w/1 to 3 #22 1 #14 w/1 #18 w/1 or 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 or 2 #22 1 #16 w/1 #18 w/1 #20 w/1 #22 1 #16 w/1 #18 w/1 or 2 #20 w/1 #22 2 #16 w/1 to 3 #22	2 #16 w/1 or 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 or 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 or 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 or 2 #22 5 #20 w/1 #22 1 #20 w/1 to 4 #22
Model	600 Volt Maximum			
49 Crimp	1 or 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 or 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 or 2 #18 2 #16 w/2 or 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 or 2 #18 w/1 #20 2 #18 w/1 or 4 #20 2 #18 w/1 #22	3 #18 w/1 #22 4 #18 w/1 #22 1 #22 1 #20 w/1 #22 2 or 3 #22 1 #17 w/1 #18 w/1 #20 w/2 #22
Model	600 Volt Maximum			
NC-8 Stranded Wire Only	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 to 4 #16 (no 3 #16's) 1 #10 w/1 to 6 #18 1 #12 w/2 to 8 #18 1 #12 w/2 to 5 #16 1 #12 w/2 or 3 #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



UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

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IDEAL Crimp Connectors				
Model	600 Volt Maximum			
410	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 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 or 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 to 2 #18 w/1 #16
411	2 #8 2 or 3 #10 4 #10 sol 3 or 5 #12 5 #14 2 #8 w/1 #12	2 #8 w/1 or 2 #14 1 #8 w/1 or 2 #10 1 #8 w/1 or 3 #12 1 #8 w/1 or 4 #14 3 #10 w/1 #12 3 #10 w/1 or 2 #14, #16, or #18	2 #10 w/1 or 3 #12, #14, or #16 2 #10 w/1 or 3 #18 1 #10 w/2 or 4 #12 1 #10 w/3 or 4 #14 1 #10 w/4 #16 4 #12 w/1 #14, #16, or #18	3 #12 w/1 or 2 #14, #16, or #18 2 #12 w/2 or 3 #14 2 #12 w/3 #16 1 #12 w/4 #14 1 #8 w/4 #18
412	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 or 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 or 2 #8 1 #6 w/4 #16 2 #6 w/1 #14 or #12 1 #8 w/1 to 5 #14 or #12 1 #8 w/1 to 3 #10 1 #8 w/2 or 3 #16 1 #8 w/4 #18 2 #8 w/1 to 5 #14 2 #8 w/1 to 3 #12 2 #8 w/1 or 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 or 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
BUCHANAN Crimp Connectors				
Model	600 Volt Maximum			
2006S	2 #18 Str. through 10 #18 Sol. or Str. #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 or 2 #12 4 #18 w/1 to 4 #16 or 1 to 3 #14 or 1 or 2 #12 or 1 #10 5 #18 w/1 to 3 #16 or 1 or 2 #14 or 1 #12 or 1 #10 6 #18 w/1 to 3 #16 or 1 or 2 #14 or 1 #12 7 #18 w/1 or 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 or 2 #12 or 1 #10 3 #16 w/1 or 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 or 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 or 2 #18 1 #14 w/6 #16 and 1 #18 1 #14 w/5 #16 and 1 or 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 or 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 or 2 #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 Crimp Connectors				
Model	600 Volt Maximum			
	Solid Wire	Stranded Wire	Combination Stranded Wire	Combination Stranded & Solid
2011S	4 to 10 # 14 3 to 6 #12 2 to 4 #10 2 #8	5 to 11 # 14 3 to 7 #12 2 to 5 #10 2 or 3 #8 2 #6	1 to 3 #14 w/3 to 5 #12 1 to 3 #14 w/3 or 4 #10 1 or 2 #12 w/3 or 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 #10 1 #4 w/1 #8 or 1 #10	1 to 3 #14 w/3 to 5 #12 1 to 3 #14 w/3 or 4 #10 1 or 2 #12 w/3 or 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
Term-End Lugs				
Model	Solid Wire		Stranded Wire	
16-8	1 or 8 #16 1 or 4 #14	1 or 2 #12 1 #10	1 or 8 #16 1 or 5 #14	1 or 3 #12 1 #8
IDEAL Term-a-Nut™ Pigtail Connectors and Grounding Connectors				
70 Red w/Black or White Green w/Green	2 or 4 #12 or #14 4 or 5 # 16 1 #16 w/3 or 4 #18 2 #16 w/2 or 3 #18 3 #16 w/1 or 2 #18 4 #16 w/1 #18 1 #14 w/ 2-3 #18	2 #14 w/1 or 2 #18 3 #14 w/1 #18 1 #14 w/2 or 3 #16 2 #14 w/1 or 2 #16 3 #14 w/1 #16 1 #12 w/2 or 3 #18 2 #12 w/1 or 2 #18	3 #12 w/1 #18 1 #12 w/1 or 3 #16 2 #12 w/1 or 2 #16 3 #12 w/1 #16 1 #12 w/1 or 3 #14 2 #12 w/1 or 2 #14 3 #12 w/ 1 #14	