



**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" (6,5mm); Strip stranded wires 5/16" (8mm)	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 #16 and smaller ½" (13mm); all others 3/8" (9,5mm)	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 to 3 #16	2 #16 w/1 #18		
	1 #18 str.	2 #16 w/1 to 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 to 2 #18 w/1 #20 w/1 #22		
	1 #14 w/1 to 2 #18	2 #18 w/1 to 3 #20 or #22		
	1 #14 w/1 to 3 #20	3 #18 w/1 to 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 to 2 #22			
1 #16 w/1 #18 w/1 #20	4 #20 w/1 #22			
Model	300 Volt Maximum		600 Volt Maximum	
<b>73B®</b> Strip wires #16 and smaller strip 3/8" (9,5mm); all others 5/16" (8mm)	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	1 #18 str. w/5 #22 str.	2 to 4 #18	1 #18 w/2 to 4 #20
	1 #14 w/1 #16 w/1 #18	2 #18 w/3 #22	1 #14 w/1 to 2 #18	1 #18 w/3 to 4 #22
	1 #14 w/3 #18	3 #18 w/2 #20 or #22	1 #14 w/1 to 3 #20	1 to 2 #18 w/1 #20 w/1 #22
	1 #14 w/4 #20	4 #18 w/1 #20 or #22	1 #14 w/1 to 3 #22	2 #18 w/1 to 2 #20 or #22
	2 #14 w/1 #18	1 #20 w/4 #22	1 #14 w/1 #16 w/1 #18	3 #18 w/1 #20 or #22
	2 #14 w/1 to 3 #20 or #22	2 #20 w/2 to 3 #22	1 #14 w/1 #16	
	1 #16 w/4 #18	3 #20 w/1 to 2 #22	1 #16 w/1 to 2 #18	
	2 #16 w/2 to 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 to 2 #20	



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IDEAL Wire-Nut® Wire Connectors				
Model	300 Volt Maximum		600 Volt Maximum	
<b>74B®</b> Strip #16 and smaller 7/16" (11,5mm); all others 3/8" (9,5mm)	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 to 2 #14, #16 or #18 1 #10 w/3 to 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 to 2 #14 2 #12 w/1 to 2 #16 or #18 2 #12 w/1 #14 w/1 #16 or #18 2 #12 w/1 #16 w/1 to 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 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 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 #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 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 to 2 #20 or #22 3 #16 w/1 to 2 #18, #20 or #22 3 #16 w/1 #18 w/1 #20 or #22 4 #16 w/1 to 2 #18, #20 or #22 1 #18 w/3 to 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
<b>76B®</b> Strip wires #16 and smaller 1/2" (13mm); all others 7/16" (11,5mm)	2 #8 str.	1 #6 or #8
	3 #10	1 to 2 #10
	5 #12	1 to 4 #12
	1 #6 w/1 to 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 to 2 #14
	1 #6 w/1 #14 w/1 to 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 to 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	#22
	1 #8 w/1 #14 w/3 to 4 #16	1 #10 w/5 #16
	1 #8 w/1 #12 w/1 to 4 #16 or #18	1 #10 w/1 to 3 #14
	1 #8 w/1 #12 w/1 to 2 #14	1 #10 w/1 to 2 #12
	1 #8 w/2 #12 w/1 to 2 #18	1 #10 w/1 to 2 #20 w/1 to 3 #22
	1 #8 w/2 #12 w/1 #14 to #16	1 #10 w/1 #18 w/1 to 4 #20 or #22
	1 #8 w/1 #10 w/1 #12 to #14	1 #10 w/1 #16 w/1 to 4 #20 or #22
	1 #10 w/4 #14	1 #10 w/1 #16 w/1 to 4 #18
	1 #10 w/3 #12	1 #10 w/1 #14 w/1 to 4 #18, #20 or #22
	1 #10 w/2 #14 w/3 #16	#22
	1 #10 w/1 #12 w/4 #16	1 #10 w/1 #14 w/1 to 4 #16
	1 #10 w/1 #12 w/3 to 4 #14	1 #10 w/2 #14 w/1 to 2 #16
	1 #10 w/2 #12 w/2 to 3 #16 or #18	1 #10 w/1 #12 w/1 to 4 #18
	1 #10 w/2 #12 w/1 to 2 #14	1 #10 w/1 #12 w/1 to 3 #16
	2 #10 w/3 #16	1 #10 w/1 #12 w/1 to 2 #14
	2 #10 w/2 to 3 #14	1 #10 w/2 #12 w/1 #16 or #18
	2 #10 w/1 to 2 #12	2 #10 w/1 to 3 #18
	2 #10 w/1 #16 w/2 to 3 #18	2 #10 w/2 #16
	2 #10 w/1 #14 w/2 to 3 #20 or #22	2 #10 w/1 #14
	2 #10 w/1 #14 w/1 to 3 #18	2 #10 w/1 #16 w/1 #18
	2 #10 w/2 #14 w/1 #16	2 #10 w/1 #14 w/1 #20 or #22
	2 #10 w/1 #12 w1 to 3 #18	1 #12 w/3 to 4 #22
	2 #10 w/1 #12 w/1 to 2 #16	1 #12 w/2 to 4 #18 or #20
	3 #10 w/1 #16 or #18	1 #12 w/1 to 4 #14 or #16
	2 #12 w/1 #14 w/3 #16	1 #12 w/1 #20 w/2 to 4 #22
	2 #12 w/2 #14 w/2 #16	1 #12 w/2 #20 w/1 to 3 #22
	3 #12 w/2 #14	1 #12 w/ #18 w/1 to 4 #20 or #22
	3 #12 w/3 #16	1 #12 w/1 #16 w/1 to 4 #20 or #22
	3 #12 w/1 #16 w/2 #18	1 #12 w/1 #16 w/1 to 4 #18
	3 #12 w/1 #14 w/1 to 2 #16	1 #12 w/1 #14 w/1 to 4 #16, #18, #20 or #22
	3 #12 w/1 #14 w/1 #18	1 #12 w/2 #14 w/1 to 3 #16
	3 #12 w/2 #14 w/1 #16	2 #12 w/2 #14 w/1 #16
	4 #12 w/1 #14, #16, #18, #20 or #22	2 #12 w/1 to 3 #14
		2 #12 w/1 #14 w/1 to 3 #20 or #22
		2 #12 w/1 to 3 #20 or #22
		2 #12 w/1 to 2 #16 or #18
		2 #12 w/1 #16 w/1 to 3 #20 or #22
	2 #12 w/1 #16 w/1 to 3 #18	
	2 #12 w/1 #14 w/1 to 3 #18 or #16	
	2 #12 w/1 #14 w/1 to 3 #16 or #14	
	2 #12 w/1 #12 w/1 to 3 #14 or #12	
	2 #12 w/1 #10 w/1 to 3 #12 or #10	
	2 #12 w/1 #8 w/1 to 3 #10 or #8	
	2 #12 w/1 #6 w/1 to 3 #8 or #6	
	2 #12 w/1 #4 w/1 to 3 #6 or #4	
	2 #12 w/1 #2 w/1 to 3 #4 or #2	
	2 #12 w/1 #1 w/1 to 3 #2 or #1	
	2 #12 w/1 #1/2 w/1 to 3 #1 or #1/2	
	2 #12 w/1 #1/4 w/1 to 3 #1/2 or #1/4	
	2 #12 w/1 #1/8 w/1 to 3 #1/4 or #1/8	
	2 #12 w/1 #1/16 w/1 to 3 #1/8 or #1/16	
	2 #12 w/1 #1/32 w/1 to 3 #1/16 or #1/32	
	2 #12 w/1 #1/64 w/1 to 3 #1/32 or #1/64	
	2 #12 w/1 #1/128 w/1 to 3 #1/64 or #1/128	
	2 #12 w/1 #1/256 w/1 to 3 #1/128 or #1/256	
	2 #12 w/1 #1/512 w/1 to 3 #1/256 or #1/512	
	2 #12 w/1 #1/1024 w/1 to 3 #1/512 or #1/1024	
	2 #12 w/1 #1/2048 w/1 to 3 #1/1024 or #1/2048	
	2 #12 w/1 #1/4096 w/1 to 3 #1/2048 or #1/4096	
	2 #12 w/1 #1/8192 w/1 to 3 #1/4096 or #1/8192	
	2 #12 w/1 #1/16384 w/1 to 3 #1/8192 or #1/16384	
	2 #12 w/1 #1/32768 w/1 to 3 #1/16384 or #1/32768	
	2 #12 w/1 #1/65536 w/1 to 3 #1/32768 or #1/65536	
	2 #12 w/1 #1/131072 w/1 to 3 #1/65536 or #1/131072	
	2 #12 w/1 #1/262144 w/1 to 3 #1/131072 or #1/262144	
	2 #12 w/1 #1/524288 w/1 to 3 #1/262144 or #1/524288	
	2 #12 w/1 #1/1048576 w/1 to 3 #1/524288 or #1/1048576	
	2 #12 w/1 #1/2097152 w/1 to 3 #1/1048576 or #1/2097152	
	2 #12 w/1 #1/4194304 w/1 to 3 #1/2097152 or #1/4194304	
	2 #12 w/1 #1/8388608 w/1 to 3 #1/4194304 or #1/8388608	
	2 #12 w/1 #1/16777216 w/1 to 3 #1/8388608 or #1/16777216	
	2 #12 w/1 #1/33554432 w/1 to 3 #1/16777216 or #1/33554432	
	2 #12 w/1 #1/67108864 w/1 to 3 #1/33554432 or #1/67108864	
	2 #12 w/1 #1/134217728 w/1 to 3 #1/67108864 or #1/134217728	
	2 #12 w/1 #1/268435456 w/1 to 3 #1/134217728 or #1/268435456	
	2 #12 w/1 #1/536870912 w/1 to 3 #1/268435456 or #1/536870912	
	2 #12 w/1 #1/1073741824 w/1 to 3 #1/536870912 or #1/1073741824	
	2 #12 w/1 #1/2147483648 w/1 to 3 #1/1073741824 or #1/2147483648	
	2 #12 w/1 #1/4294967296 w/1 to 3 #1/2147483648 or #1/4294967296	
	2 #12 w/1 #1/8589934592 w/1 to 3 #1/4294967296 or #1/8589934592	
	2 #12 w/1 #1/17179869184 w/1 to 3 #1/8589934592 or #1/17179869184	
	2 #12 w/1 #1/34359738368 w/1 to 3 #1/17179869184 or #1/34359738368	
	2 #12 w/1 #1/68719476736 w/1 to 3 #1/34359738368 or #1/68719476736	
	2 #12 w/1 #1/137438953472 w/1 to 3 #1/68719476736 or #1/137438953472	
	2 #12 w/1 #1/274877906944 w/1 to 3 #1/137438953472 or #1/274877906944	
	2 #12 w/1 #1/549755813888 w/1 to 3 #1/274877906944 or #1/549755813888	
	2 #12 w/1 #1/1099511627776 w/1 to 3 #1/549755813888 or #1/1099511627776	
	2 #12 w/1 #1/2199023255552 w/1 to 3 #1/1099511627776 or #1/2199023255552	
	2 #12 w/1 #1/4398046511104 w/1 to 3 #1/2199023255552 or #1/4398046511104	
	2 #12 w/1 #1/8796093022208 w/1 to 3 #1/4398046511104 or #1/8796093022208	
	2 #12 w/1 #1/17592186044416 w/1 to 3 #1/8796093022208 or #1/17592186044416	
	2 #12 w/1 #1/35184372088832 w/1 to 3 #1/17592186044416 or #1/35184372088832	
	2 #12 w/1 #1/70368744177664 w/1 to 3 #1/35184372088832 or #1/70368744177664	
	2 #12 w/1 #1/140737488355328 w/1 to 3 #1/70368744177664 or #1/140737488355328	
	2 #12 w/1 #1/281474976710656 w/1 to 3 #1/140737488355328 or #1/281474976710656	
	2 #12 w/1 #1/562949953421312 w/1 to 3 #1/281474976710656 or #1/562949953421312	
	2 #12 w/1 #1/1125899906842624 w/1 to 3 #1/562949953421312 or #1/1125899906842624	
	2 #12 w/1 #1/2251799813685248 w/1 to 3 #1/1125899906842624 or #1/2251799813685248	
	2 #12 w/1 #1/4503599627370496 w/1 to 3 #1/2251799813685248 or #1/4503599627370496	
	2 #12 w/1 #1/9007199254740992 w/1 to 3 #1/4503599627370496 or #1/9007199254740992	
	2 #12 w/1 #1/18014398509481984 w/1 to 3 #1/9007199254740992 or #1/18014398509481984	
	2 #12 w/1 #1/36028797018963968 w/1 to 3 #1/18014398509481984 or #1/36028797018963968	
	2 #12 w/1 #1/72057594037927936 w/1 to 3 #1/36028797018963968 or #1/72057594037927936	
	2 #12 w/1 #1/144115188075855872 w/1 to 3 #1/72057594037927936 or #1/144115188075855872	
	2 #12 w/1 #1/288230376151711744 w/1 to 3 #1/144115188075855872 or #1/288230376151711744	
	2 #12 w/1 #1/576460752303423488 w/1 to 3 #1/288230376151711744 or #1/576460752303423488	
	2 #12 w/1 #1/1152921504606846976 w/1 to 3 #1/576460752303423488 or #1/1152921504606846976	
	2 #12 w/1 #1/2305843009213693952 w/1 to 3 #1/1152921504606846976 or #1/2305843009213693952	
	2 #12 w/1 #1/4611686018427387904 w/1 to 3 #1/2305843009213693952 or #1/4611686018427387904	
	2 #12 w/1 #1/9223372036854775808 w/1 to 3 #1/4611686018427387904 or #1/9223372036854775808	
	2 #12 w/1 #1/18446744073709551616 w/1 to 3 #1/9223372036854775808 or #1/18446744073709551616	
	2 #12 w/1 #1/36893488147419103232 w/1 to 3 #1/18446744073709551616 or #1/36893488147419103232	
	2 #12 w/1 #1/73786976294838206464 w/1 to 3 #1/36893488147419103232 or #1/73786976294838206464	
	2 #12 w/1 #1/147573952589676412928 w/1 to 3 #1/73786976294838206464 or #1/147573952589676412928	
	2 #12 w/1 #1/295147905179352825856 w/1 to 3 #1/147573952589676412928 or #1/295147905179352825856	
	2 #12 w/1 #1/590295810358705651712 w/1 to 3 #1/295147905179352825856 or #1/590295810358705651712	
	2 #12 w/1 #1/1180591620717411303424 w/1 to 3 #1/590295810358705651712 or #1/1180591620717411303424	
	2 #12 w/1 #1/2361183241434822606848 w/1 to 3 #1/1180591620717411303424 or #1/2361183241434822606848	
	2 #12 w/1 #1/4722366482869645213696 w/1 to 3 #1/2361183241434822606848 or #1/4722366482869645213696	
	2 #12 w/1 #1/9444732965739290427392 w/1 to 3 #1/4722366482869645213696 or #1/9444732965739290427392	
	2 #12 w/1 #1/18889465931478580854784 w/1 to 3 #1/9444732965739290427392 or #1/18889465931478580854784	
	2 #12 w/1 #1/37778931862957161709568 w/1 to 3 #1/18889465931478580854784 or #1/37778931862957161709568	
	2 #12 w/1 #1/75557863725914323419136 w/1 to 3 #1/37778931862957161709568 or #1/75557863725914323419136	
	2 #12 w/1 #1/151115727451828646838272 w/1 to 3 #1/75557863725914323419136 or #1/151115727451828646838272	
	2 #12 w/1 #1/302231454903657293676544 w/1 to 3 #1/151115727451828646838272 or #1/302231454903657293676544	
	2 #12 w/1 #1/604462909807314587353088 w/1 to 3 #1/302231454903657293676544 or #1/604462909807314587353088	
	2 #12 w/1 #1/1208925819614629174706176 w/1 to 3 #1/604462909807314587353088 or #1/1208925819614629174706176	
	2 #12 w/1 #1/2417851639229258349412352 w/1 to 3 #1/1208925819614629174706176 or #1/2417851639229258349412352	
	2 #12 w/1 #1/4835703278458516698824704 w/1 to 3 #1/2417851639229258349412352 or #1/4835703278458516698824704	
	2 #12 w/1 #1/9671406556917033397649408 w/1 to 3 #1/4835703278458516698824704 or #1/9671406556917033397649408	
	2 #12 w/1 #1/19342813113834066795298816 w/1 to 3 #1/9671406556917033397649408 or #1/19342813113834066795298816	
	2 #12 w/1 #1/38685626227668133590597632 w/1 to 3 #1/19342813113834066795298816 or #1/38685626227668133590597632	
	2 #12 w/1 #1/77371252455336267181195264 w/1 to 3 #1/38685626227668133590597632 or #1/77371252455336267181195264	
	2 #12 w/1 #1/154742504910672534362390528 w/1 to 3 #1/77371252455336267181195264 or #1/154742504910672534362390528	
	2 #12 w/1 #1/309485009821345068724781056 w/1 to 3 #1/154742504910672534362390528 or #1/309485009821345068724781056	
	2 #12 w/1 #1/618970019642690137449562112 w/1 to 3 #1/309485009821345068724781056 or #1/618970019642690137449562112	
	2 #12 w/1 #1/1237940039285380274899124224 w/1 to 3 #1/618970019642690137449562112 or #1/1237940039285380274899124224	
	2 #12 w/1 #1/2475880078570760549798248448 w/1 to 3 #1/1237940039285380274899124224 or #1/2475880078570760549798248448	
	2 #12 w/1 #1/4951760157141521099596496896 w/1 to 3 #1/2475880078570760549798248448 or #1/4951760157141521099596496896	
	2 #12 w/1 #1/9903520314283042199192993792 w/1 to 3 #1/4951760157141521099596496896 or #1/9903520314283042199192993792	
	2 #12 w/1 #1/1980704062856608439838588784 w/1 to 3 #1/9903520314283042199192993792 or #1/1980704062856608439838588784	
	2 #12 w/1 #1/3961408125713216879677177568 w/1 to 3 #1/1980704062856608439838588784 or #1/3961408125713216879677177568	
	2 #12 w/1 #1/7922816251426433759354355136 w/1 to 3 #1/3961408125713216879677177568 or #1/7922816251426433759354355136	
	2 #12 w/1 #1/15845632502852867518708710272 w/1 to 3 #1/7922816251426433759354355136 or #1/15845632502852867518708710272	
	2 #12 w/1 #1/31691265005705735037417420544 w/1 to 3 #1/15845632502852867518708710272 or #1/31691265005705735037417420544	
	2 #12 w/1 #1/63382530011411470074834841088 w/1 to 3 #1/31691265005705735037417420544 or #1/63382530011411470074834841088	
	2 #12 w/1 #1/126765060022822940149669682176 w/1 to 3 #1/63382530011411470074834841088 or #1/126765060022822940149669682176	
	2 #12 w/1 #1/253530120045645880299339364352 w/1 to 3 #1/126765060022822940149669682176 or #1/253530120045645880299339364352	
	2 #12 w/1 #1/507060240091291760598678728704 w/1 to 3 #1/253530120045645880299339364352 or #1/507060240091291760598678728704	
	2 #12 w/1 #1/1014120480182583521197357457408 w/1 to 3 #1/507060240091291760598678	



**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® Connectors				
Model	600 Volt Maximum			
<b>59B®</b> Strip wires 1/2" (13mm)	1 #12	1 #14 w/1 #18 w/1 to 2 #22	2 #16 w/1 to 4 #18, #20 or #22	2 #18 w/1 to 4 #20 or #22
	1 to 3 #14	1 #14 w/1 #16 w/1 #20 or #22	2 #16 w/1 #20 w/1 to 2 #22	2 #18 w/1 #20 w/1 to 2 #22
	2 to 4 #16	2 #14 w/1 to 4 #20 or #22	2 #16 w/1 #18 w/1 to 2 #22	3 #18 w/1 to 3 #20 or #22
	2 to 6 #18	2 #14 w/1 to 2 #18	3 #16 w/1 to 3 #20 or #22	3 #18 w/1 #20 w/1 to 2 #22
	2 to 6 #20	2 #14 w/1 #16	3 #16 w/1 to 2 #18	4 #18 w/1 to 2 #22 or #20
	4 to 6 #22	2 #14 w/1 #20 w/1 to 2 #22	3 #16 w/1 #20 w/1 to 2 #22	4 #18 w/1 #20
	1 #12 w/1 to 3 #18	2 #14 w/1 #18 w/1 to 2 #22	3 #16 w/1 #18 w/1 to 2 #22	5 #18 w/1 #20 w/1 #22
	1 #12 w/1 to 2 #16	2 #14 w/1 #16 w/1 #20 or #22	4 #16 w/1 to 2 #22	1 #20 w/2 to 5 #22
	1 #12 w/1 #14	1 #16 Stranded OR 1 #18 Str.	4 #16 w/1 #18 or #20	2 #20 w/1 to 4 #22
	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	3 #20 w/1 to 3 #22
	1 #14 w/1 to 3 #16	1 #16 w/1 #20 w/1 to 2 #22	1 #18 w/1 to 4 #20 or #22	4 #20 w/1 to 2 #22
	1 #14 w/1 #20 w/1 to 2 #22	1 #16 w/1 #18 w/1 to 2 #22	1 #18 w/1 #20 w/1 to 2 #22	5 #20 w/1 #22
IDEAL Wing-Nut® Wire Connectors				
Model	600 Volt Maximum			
<b>451®</b> Strip wires 3/8" (9,5mm)	1 #10	1 #10 w/1 to 2 #16	2 #12 w/1 #14	1 #16 w/1 to 5 #18
	1 to 3 #12	1 #10 w/1 to 3 #18	1 #14 w/1 to 5 #18	2 #16 w/1 to 4 #18
	1 to 3 #14	1 #12 w/1 to 5 #18	1 #14 w/1 to 4 #16	3 #16 w/1 to 3 #18
	2 to 4 #16	1 #12 w/1 to 3 #16	2 #14 w/1 to 3 #18	4 #16 w/1 to 2 #18
	2 to 4 #18	1 #12 w/1 to 2 #14	2 #14 w/1 to 3 #16	
	1 #10 w/1 #12	2 #12 w/1 to 2 #18	3 #14 w/1 #16	
1 #10 w/1 to 2 #14	2 #12 w/1 #16	3 #14 w/1 to 2 #18		
Model	600 Volt Maximum			
<b>452® &amp; 344®</b> Twister® Strip wires 1/2" (13mm)	1 #6	1 #10 w/2 #12 w/1 to 3 #16	2 #12 w/1 to 4 #18, #16 or #14	2 #16 w/1 #18 w/1 to 3 #22
	1 to 2 #8	1 #10 w/2 #12 w/1 to 3 #18	3 #12 w/1 to 3 #18, #16 or #14	2 #16 w/1 #18 w/1 to 3 #20
	1 to 4 #10	1 #10 w/2 #12 w/1 to 2 #14	3 #12 w/1 #16 w/1 to 2 #18	2 #16 w/1 to 4 #22, #22 or #18
	1 to 5 #12	1 #10 w/3 #12 w/1 #14	3 #12 w/1 #14 w/1 to 2 #18	3 #16 w/1 to 3 #22, #20 or #18
	1 to 6 #14, #16	2 #10 w/1 to 4 #18 or #16	3 #12 w/1 #14 w/1 to 2 #16	3 #16 w/1 to 2 #22 w/ 1 #20
	2 to 6 #18	2 #10 w/1 to 3 #14 or #12	3 #12 w/1 #14 w/ 1 #16	3 #16 w/1 #18 w/1 to 2 #22
	3 to 6 #20	2 #10 w/1 #16 w/1 to 3 #18	4 #12 w/1 to 2 #16	3 #16 w/1 #18 w/1 to 2 #20
	4 to 6 #22	2 #10 w/2 #14 w/1 to 2 #16	4 #12 w/1 #14	4 #16 w/1 to 2 #22, #20 or #18
	1 #6 w/1 to 2 #12	2 #10 w/1 #12 w/1 to 3 #16	4 #12 w/1 #16 w/1 #18	4 #16 w/1 #22 w/ 1 #20
	1 #6 w/1 #10	2 #10 w/1 #12 w/1 to 2 #14	4 #12 w/1 #14 w/1 #18 or #16	4 #16 w/1 #18 w/1 #22
	1 #6 w/2 #14 w/1 to 2 #16	2 #10 w/2 #12 w/1 to 2 #18	1 #14 w/1 to 5 #22 or #20	4 #16 w/1 #18 w/1 #22
	1 #6 w/1 #12 w/1 to 2 #14	2 #10 w/2 #12 w/1 to 2 #16	1 #14 w/1 to 5 #18 or #16	4 #16 w/1 #18 w/1 #22
	1 #6 w/2 #12 w/1 #18	2 #10 w/2 #12 w/1 #14	1 #14 w/1 #16 w/1 to 3 #18	5 #16 w/1 #22, #20 or #18
	1 #6 w/1 #10 w/ 1 #14	3 #10 w/1 to 3 #18 3 #10 w/1 to 3 #16	2 #14 w/1 #16 w/1 to 3 #18	1 #18 w/1 to 5 #22 or #20
	1 #8 w/1 to 5 #16	3 #10 w/1 to 2 #14	2 #14 w/1 to 4 #22 or #20	1 #20 w/1 #22 w/ 1 to 3 #18
	1 #8 w/1 to 4 #14	3 #10 w/1 #12	2 #14 w/1 to 4 #18 or #16	1 #20 w/2 #22 w/ 1 to 3 #18
	1 #8 w/1 to 3 #12	3 #10 w/1 #16 w/1 to 2 #18	3 #14 w/1 to 3 #22 or #20	2 #20 w/1 #22 w/ 1 to 3 #18
	1 #8 w/2 #12 w/1 to 2 #14	3 #10 w/1 #14 w/1 to 2 #18	3 #14 w/1 to 3 #18 or #16	2 #18 w/1 to 4 #22, #20
	1 #8 w/1 to 2 #10	3 #10 w/1 #14 w/1 #16	3 #14 w/1 #16 w/1 to 2 #18	3 #18 w/1 to 3 #22 or #20
	1 #8 w/1 #10 w/1 to 2 #14, #12	3 #10 w/1 #12 w/1 #18	4 #14 w/1 to 2 #22	4 #18 w/1 to 2 #22 or #20
	1 #8 w/2 #10 w/1 #14	3 #10 w/1 #12 w/1 #16	4 #14 w/1 to 2 #20, #18 or #16	5 #18 w/1 #22 or #20
	1 #10 w/1 to 5 #18, #16 or #14	3 #10 w/1 #12 w/1 #16	4 #14 w/1 #16 w/1 #18	1 #20 w/2 to 5 #22
	1 #10 w/1 or 4 #12	1 #12 w/1 to 5 #18, #16 or #14	5 #14 w/1 #18 or #16	2 #20 w/1 to 4 #22
	1 #10 w/1 #16 w/1 to 4 #18	1 #12 w/1 #16 w/1 to 3 #18	1 #16 w/1 to 5 #22, #20 or #18	3 #20 w/1 to 3 #22
	1 #10 w/1 #14 w/1 to 4 #16 or #18	1 #12 w/1 #14 w/1 to 3 #18	1 #16 w/1 #20 w/1 to 2 #22	4 #20 w/1 to 2 #22
	1 #10 w/2 #14 w/1 to 3 #16	1 to 2 #12 w/1 #14 w/1 to 3 #16	1 #16 w/2 #20 w/1 to 2 #22	5 #20 w/1 #22
1 #10 w/1 #12 w/1 to 4 #14	1 #12 w/2 #14 w/1 to 2 #16	1 #16 w/1 #18 w/1 to 3 #22		
1 #10 w/1 #12 w/1 to 4 #16 or #18	2 #12 w/1 #14 w/1 to 3 #18	1 #16 w/1 #18 w/1 to 3 #20		
	2 #12 w/1 #16 w/1 to 3 #18	2 #16 w/1 #20 w/1 to 2 #22		
	2 #12 w/2 #14 w/1 to 2 #16	2 #16 w/2 #20 w/1 to 2 #22		



**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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IDEAL Wing-Nut® Wire Connectors				
Model	600 Volt Maximum			
<b>454®</b> Strip wires 7/8"	1 to 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 to 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 to 2 #14	1 #10 w/3 #12 w/1 to 2 #14
	3 to 6 #12	1 #6 w/3 #12 w/1 to 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 to 2 #14
	1 #10 w/3 to 5 #14	1 #6 w/2 #10 w/1 to 2 #14	1 #8 w/2 #10 w/1 to 3 #12	2 #10 w/3 #12 w/1 #14
	1 #12 w/4 to 5 #14	1 #6 w/2 #10 w/1 #12	1 #8 w/3 #10 w/1 to 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 to 2 #14
	3 #12 w/1 to 3 #14	1 #6 w/1 #8 w/1 to 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 to 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 to 2 #10	2 #8 w/1 #10 w/1 to 2 #12		
1 #6 w/1 to 2 #8	3 #8 w/1 to 2 #14	2 #8 w/2 #10 w/1 #14 sol		
IDEAL Greenie® Grounding Wire Connectors				
Model	600 Volt Maximum			
<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		
IDEAL Twister® Wire Connectors				
Model	600 Volt Maximum			
<b>340®</b> Strip wires #22 - #18 3/8"; Strip wires #16 - #10 7/16"	2 to 5 #22	2 #18 w/1 to 3 #20 or #22	4 #16 w/1 to 2 #18	1 #12 w/1 to 5 #18
	2 to 5 #20	3 #18 w/1 to 2 #20 or #22	1 #14 w/1 to 4 #22	1 #12 w/1 to 3 #16
<b>341®</b> Strip wires ½"	2 to 5 #18	4 #18 w/1 #20 or #22	1 #14 w/1 to 3 #20	1 #12 w/1 to 2 #14
	2 to 4 #16	1 #16 w/1 to 4 #20 or #22	1 #14 w/1 to 5 #18	2 #12 w/1 to 2 #18
	1 to 3 #14 or #12	1 #16 w/1 to 5 #18	1 #14 w/1 to 4 #16	2 #12 w/1 #14 or #16
	1 #10	2 #16 w/1 to 3 #22 or #20	2 #14 w/1 to 3 #16, #18, #20, or #22	1 #10 w/1 to 3 #18
	3 #20 w/1 to 2 #22	2 #16 w/1 to 4 #18	3 #14 w/1 to 2 #18	1 #10 w/1 to 2 #14 or #16
	4 #20 w/1 #22	3 #16 w/1 to 3 #18, #20 or #22	3 #14 w/1 #16	1 #10 w/1 #12
	1 #18 w/1 to 4 #20 or #22	4 #16 w/1 #20 or #22		
	1 to 3 #10	3 #14 w/2 #12	3 #18 w/1 to 2 #10	1 #22 w/1 #18 w/1 #16
	1 to 3 #12	4 #14 w/1 #12 or #10	4 #18 w/1 to 2 #16, #14 or #12	1 #22 w/1 #20 w/1 to 2 #16
	4 #12 sol	1 #16 w/1 to 4 #14 or #12	4 #18 w/1 #10	1 #14 w/1 to 2 #12 w/1 #10
1 to 5 #14	1 #16 w/1 to 2 #10	5 #18 w/1 #16 or #14	2 #14 w/1 #12 w/1 #10	
1 to 6 #16	2 #16 w/1 to 4 #14	1 #20 w/1 to 4 #18, #16 or #14	1 #16 w/1 #12 w/1 #10	
2 to 6 #18	2 #16 w/1 to 3 #12	2 #20 w/1 to 3 #18, #16 or #14	2 #16 w/1 #14 w/1 to 2 #12	
2 to 6 #20	2 #16 w/1 to 2 #10	3 #20 w/1 to 2 #18, #16 or #14	2 #16 w/2 #14 w/1 #12	
1 #10 w/1 #8	3 #16 w/1 to 3 #14	4 #20 w/1 to 2 #18, #16 or #14	2 #16 w/1 #12 w/1 #10	
1 #12 w/1 to 2 #10	3 #16 w/1 to 2 #12 or #10	3 to 6 #22	3 #16 w/1 #14 w/1 #12 or #10	
1 #12 w/1 #8	4 #16 w/1 to 2 #14 or #12	1 #22 sol w/1 #20 sol	4 #16 w/1 #12 w/1 #10	
2 #12 w/1 #10	4 #16 w/1 #10	1 #22 w/2 to 5 #20	1 #18 w/1 to 4 #16, #14 or #12	
1 #14 sol w/1 to 3 #12	5 #16 w/1 #14	1 #22 w/1 to 5 #18 or #16	5 #16 sol w/1 #10 sol	
1 #14 w/1 to 2 #10	2 #18 w/1 to 4 #16 or #14	2 #22 w/1 to 4 #20, #18 or #16	1 #16 w/1 to 2 #14 w/1 #12 or #10	
2 #14 w/1 to 2 #12 or #10	3 #18 w/1 to 3 #12	3 #22 w/1 to 3 #20, #18 or #16	1 #18 w/1 to 2 #10	
2 #14 w/1 #8	2 #18 w/1 to 2 #10	#164 #22 w/1 to 2 #20, #18 or #16		
3 #14 w/1 #12 or #10	3 #18 w/1 to 3 #16, #14 or #12			



**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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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 w/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 w/2 to 3 #16 1 #18 w/1 to 3 #14 or #12	1 #18 w/1 to 2 #10 2 #18 w/1 to 3 #16, #14, or #12 2 #18 w/1 to 2 #10 3 #18 w/1 to 2 #16, #14, #12, or #10 4 #18 with 1 to 2 #16 or #14 2 #16 with 1 #10	3 #16 w/1 to 2 #14 or #12 3 #16 w/1 #10 4 #16 w/1 #14 or #12 1 #14 w/1 to 2 #12 or #10 1 #14 w/1 #8 Str 2 #14 w/1 #12 or #10 2 #14 w/1 #8 Str or #10	3 #14 w/1 #10 3 #14 w/1 to 2 #12 1 #12 Sol w/1 #10 Sol 2 #12 w/1 #10 1 #16 w/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 w/2 to 5 #14 or #12 1 #16 w/1 to 3 #10 1 #14 w/1 to 4 #12 1 #14 w/1 to 3 #10	1 #14 w/1 to 2 #8 1 #12 w/1 to 2 #10 or #8 1 to 2 #12 w/1 #6 3 #12 w/1 #10 or #8	1 #10 w/1 to 2 #8 1 #8 w/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**

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IDEAL UnderGround™ Wire Connectors				
Model	600 Volt Maximum			
<b>64</b> <sup>®</sup> 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	
Model	600 Volt Maximum			
<b>66</b> <sup>®</sup> 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
IDEAL Twister <sup>®</sup> AL/CU Wire Connectors				
Model	600 Volt Maximum			
	Copper-to-Copper only combinations			<i>Copper-to-Aluminum combinations. Not for use on Aluminum-to-Aluminum conductors.</i>
<b>65</b> <sup>®</sup> Strip wires 1/2" (13mm)	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 1 #10 AL w/1 to 2 #18 CU 2 #10 AL sol. w/1 #12 CU 2 #10 AL sol. w/1 #14 CU 2 #10 AL sol. w/1 #16 CU 2 #10 AL sol. w/1 #18 CU 1 #12 AL sol. w/1 to 2 #10 CU 1 #12 AL str. w/1 to 2 #10 CU sol. 1 #12 AL w/1 to 2 #12 CU 1 #12 AL w/1 to 2 #14 CU 1 #12 AL w/1 to 2 #16 CU 1 #12 AL w/1 to 2 #18 CU 2 #12 AL sol. w/1 #10 CU 2 #12 AL sol. w/1 #12 CU 2 #12 AL sol. w/1 #14 CU 2 #12 AL sol. w/1 #16 CU 2 #12 AL sol. w/1 #18 CU



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



**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#10 w/2 #12 w/1 to 2 #14	2 #12 w/1 to 4 #18, #16 or #14	1 to 2#16 w/1 to 2 #20 w/1 to 2 #22 or #20
	1 to 5 #12	1 #10 w/3 #12 w/1 #14	3 #12 w/1 to 3 #18, #16 or #14	1 #16 w/1 #18 w/1 to 3 #22 or #20
	#14 1 to 6 #14 or #16	1 #10 w/1 to 4 #18 or #16	3 #12 w/1 #16 w/1 to 2 #18	#20
	2 to 6 #18	2 #10 w/1 to 3 #14	3#12 w/1 #14 w/1 to 2#18 or #16	2 #16 w/1 to 3 #22, #20 or #18
	3 to 6 #20	2 #10 w/1 to 3 #12	3 #12 w/2 #14 w/1 #16	3 #16 w/1 to 3 #22 w/1 #20
	4 to 6 #22	2 #10 w/1 #16 w/1 to 3 #18	4 #12 w/1 to 2 #16	3 #16 w/1 to 2 #22 w/1 #20
	1 #8 w/1 to 5 #16	2 #10 w/2 #14 w/1 to 2 #16	4 #12 w/1 #14	3 #16 w/1 #18 or 2 #22 or #20
	1 #8 w/1 to 4 #14	2 #10 w/1 #12 w/1 to 3 #16	4 #12 w/1 #16 w/1 #18	4 #16 w/1 to 2 #22, #20 or #18
	1 #8 w/1 to 3 #12	2 #10 w/1 #12 w/1 to 4 #14	4 #12 w/1 #14 w/1 #18 or #16	4 #16 w/1 #22 w/1 #20
	1 #8 w 2 #12 w/1 to 4 #14	2 #10 w/2 #12 w/1 to 2 #18 or #16	1 #14 w/1 to 5#22, #20, #18 or #16	4 #16 w/1 #18 w/1 #22 or #20
	1 #8 w/1 to 2 #10	2 #10 w/2 #12 w/1 #14	1 to 2 #14 w/1 #16 w/1 to 3 #18	5 #16 w/1 #22, #20 or #18
	1 # w/1 #10 w/1 to 2 #14 or #12	3 #10 w/1 to 3 #18 or #16	3 #10 w/1 to 2 #14	1 #18 w/1 to 5 #22 or #20
	1 #8 w/2 #10 w/1 #14	3 #10 w/1 to 2 #14	3 #10 w/1 #12	1 to 3 #18 w/1 to 2 #22 w/1 #20
	1 #10 w/1 to 5 #18, #16 or #14	3 #10 w/1 #12	3 #10 w/1 #16 w/1 to 2 #18	1 to 3 #18 w/2 #22 or #20
	1 #10 w/1 to 4 #12	3 #10 w/1 #14 w/1 to 2 #18	3 #10 w/1 #14 w/1 to 2 #18	2 #18 w/1 to 4 #22 or #20
	1 #10 w/1 #16 w/1 to 4 #18	3 #10 w/1 #14 w/1 #16	3 #10 w/1 #12 w/1 #18 or #16	3 #18 w/1 to 3 #22 or #20
	1 #10 w/1 #14 w/1 to 4 #18 or #16	3 #10 w/1 #12 w/1 #18 or #16	1 #12 w/1 to 5 #18, #16 or #14	4 #18 w/1 to 2 #22 or #20
	1 #10 w/2 #14 w/1 to 3 #16	1 to 2 #12 w/1 #16 w/1 to 3 #18	1 to 2 #12 w/1 #16 w/1 to 3 #18	5 #18 w/1 #22 or #20
	1 #10 w/1 #12 w/1 to 4 #18 or #16	1 to 2 #12 w/1 #14 w/1 to 3 #18 or #16	4 #14 w/1 #16 w/1 #18	1 #20 w/3 to 5 #22
	1 #10 w/1 #12 w/1 to 4 #14	1 to 2 #12 w/1 #14 w/1 to 3 #18 or #16	5 #14 w/1 #18 or #16	2 #20 w/2 to 4 #22
1 #10 w/2 #12 w/1 to 3 #18 or #16	1 to 2 #12 w/2 #14 w/1 #16	1 #16 w/1 to 5#22, #20 or #18	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 #18 w/1 to 3 #20		
	1 to 2 #16	1 #18 w/1 to 4 #22		
	2 to 3 #18	2 #22 stranded only		
	2 to 4 #20	4 #20 w/1 #22		
	3 to 4 #22	3 #20 w/1 to 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 to 2 #20	1-2 #18 w/1 #20 w/1 #22			
1 #16 w/1 to 3 #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 w/1 to 3 #18		
	1 #16 Stranded only	1 #16 w/1 #18 w/1 #20		
	2 to 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 to 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 to 2 #18	1 #18 w/3 to 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 to 2 #22		
	2 #16 w/1 #18	2 #16 w/1 #20 w/1 #22		
2 #16 w/1 to 2 #20	1 #16 w/1 #22 w/1 #18 or #20			
2 #16 w/1 to 3 #22	1 to 2 #18 w/1 #20 w/1 #22			



**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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Buchanan WireTwist™ Wire Connectors				
Model	300 Volt Maximum		600 Volt Maximum	
<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	
Model	300 Volt Maximum		600 Volt Maximum	
<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



**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>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

Revised 7-14-2016



**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 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



**UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS**

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IDEAL Set Screw Wire Connectors				
Model	600 Volt Maximum			
<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
IDEAL Crimp Connectors				
Model	600 Volt Maximum			
<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
Model	600 Volt Maximum			
<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
Model	600 Volt Maximum			
<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**

UL File No. E5238

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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	

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