



UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

UL File No. E5238

The combinations listed are Cu-Cu Only. (Do Not use on Al-Al connections.)
 The combinations listed are solid and/or stranded wire unless otherwise noted.

IDEAL In-Sure® Push-In Wire Connectors				
Model	600 Volt Maximum			
32	#12 to #20 Sol.			
33	#12 to #16 Str. (≤ 19 Str.)			
34	#18 Str. (7 Str.)			
	#14 to #18 Str. Tin-bonded (≤ 19 Str.)			
Model	600 Volt Maximum			
39	#10 to #14 Sol.			
	#10 to #12 Str. (≤ 19 Str.)			
	#10 to #14 Str. Tin-bonded (≤ 19 Str.)			
IDEAL SpliceLine™ Wire Connector				
Model	600 Volt Maximum			
42	#12 to #20 Sol.			
	#12 to #16 Str. (≤ 19 Str.)			
	#14 to #18 Str. Tin-bonded (≤ 19 Str.)			
IDEAL WeatherProof™ Wire Connectors				
Model	600 Volt Maximum			
61	1 or 2 #14	1 #14 w/1 #16	2 #16 w/1 to 3 #22	2 #18 w/1 or 2 #22 or #20
	1 #16 Str.	1 #14 w/1 #16 w/1 #18	2 #16 w/1 or 2 #20	1 #18 w/2 to 4 #20
	2 #16	1 #14 w/1 or 2 #18	1 #16 w/1 or 2 #18	1 #18 w/3 or 4 #22
	1 to 4 # 18 Str.	1 #14 w/1 to 3 #20	1 #16 w/1 to 3 #20	1 or 2 #16 w/1 #20 w/1 #22
	2 to 4 #18 Sol.	1 # 14 w/1 to 3 #22	1 #16 w/1 to 3 #22	1 or 2 #18 w/1 #20 w/1 #22
	2 to 4 #20	2 #16 w/1 #18	3 #18 w/1 #22 or #20	
Model	600 Volt Maximum			
62	2 to 6 #18	1 to 4 #12 Sol.	2 #18 w/1 to 4 #16 or #14	1 #12 w/1 or 2 #10
	1 to 6 #16	1 to 3 #10	1 #14 w/1 to 3 #12	1 #12 w/1 #8
	1 to 5 #14	1 #18 w/1 to 4 #16, #14 or #12	1 #14 w/1 or 2 #10	1 #10 w/1 #8
	1 to 3 #12	1 #18 w/1 or 2 #10	2 #14 w/1 or 2 #12 or #10	
Model	600 Volt Maximum			
63	3 to 6 #14	1 #16 w/2 to 5 #14 or #12	1 #14 w/1 or 2 #8	3 #12 w/1 #10 or #8
	2 to 6 #12	1 #16 w/1 to 3 #10	1 #12 w/1 or 2 #10	1 #10 w/1 or 2 #8
	2 to 5 #10	1 #14 w/3 or 4 #12	1 #12 w/1 or 2 #8	1 #8 w/1 #6
	1 or 2 #8	1 #14 w/1 to 3 #10	1 or 2 #12 w/1 #6	
IDEAL UnderGround™ Wire Connectors				
Model	600 Volt Maximum			
60	1 or 2 #10	2 #14 w/1 #12	2 #16 w/1 to 4 #14	1 #18 w/1 to 3 #12, #14 or #16
	1 to 3 #12	3 #14 w/1 #12	3 #16 w/1 to 3 #14	2 #18 w/1 or 2 #10
	1 #12 w/1 #8	1 #16 w/2 #10	3 #16 w/1 or 2 #10 or #12	2 #18 w/1 or 2 #12, #14 or #16
	1 #12 w/1 #10	1 #16 w/1 to 3 #12 or #14	3 #16 w/1 #14 w/1 #10 or #12	3 #18 w/1 or 2 #10
	2 #12 w/1 #10	1 #16 w/1 #10 or #12 w/1 or 2 #14	4 #16 w/1 or 2 #12 or #14	3 #18 w/1 or 2 #14 or #16
	1 to 4 #14	2 #16 w/1 or 2 #12	4 #16 w/1 #10 w/1 #12	3 #18 w/1 #10
	1 #14 Sol. w/1 to 2 #12	2 #16 w/1 #12 w/1 #14	4 #16 w/1 #10	1 #20 w/1 to 4 #16 or #18
	1 #14 w/1 or 2 #10	2 #16 w/1 or 2 #14	5 #16 w/1 #14	2 #20 w/1 to 3 #14, #16 or #18
	2 #14 w/1 #10	2 #16 w/1 #10	5 #16 Sol. w/1 #10 Sol.	
Model	600 Volt Maximum			
64	3 or 4 #22 Sol.	2 to 4 #14	1 #18 w/1 to 4 #16, #14 or #12	2 #14 w/1 #12 or #10
	3 or 4 #20 Sol.	1 to 3 #12	1 #16 w/1 to 4 #14 or #12	2 #12 w/1 #10
	2 to 4 #18	1 to 3 #10	1 #14 w/1 or 2 #12 or #10	1 #8 w/1 #14, #12 or #10
	2 to 4 #16			
Model	600 Volt Maximum			
66	1 or 2 #6	2 #6 w/1 #10	2 #8 w/1 to 4 #14	3 #10 w/1 to 3 #14
	2 or 3 #8	2 #6 w/1 #12	3 #8 w/1 or 2 #14	4 #10 w/1 or 2 #12
	2 to 5 #10	2 #6 w/1 or 2 #14	1 #10 w/2 to 4 #12	4 #10 w/1 or 2 #14
	3 to 6 #12	1 #8 w/1 to 4 #10	1 #10 w/3 to 5 #14	1 #12 w/4 or 5 #14
	1 #6 w/1 or 2 #8	1 #8 w/1 to 5 #12	2 #10 w/1 to 4 #12	2 #12 w/2 to 4 #14
	1 #6 w/1 to 3 #10	1 #8 w/1 to 5 #14	2 #10 w/1 to 4 #14	3 #12 w/1 to 3 #14
	1 #6 w/1 to 5 #12	2 #8 w/1 or 2 #10	3 #10 w/1 to 3 #12	4 #12 w/1 #14
	1 #6 w/1 to 4 #14	2 #8 w/1 to 3 #12		
IDEAL PowerPlug® Luminaire Disconnects				
Model	Line Side		Ballast Side	Electrical Rating
102	#12 to #18 Sol.		#18 Sol.	6Amps / 600Volts Max.
&	#12 to #14 Str. (≤ 19 Str.)		#18 Str. (7 Str.)	
103	#18 Str. (7 Str.)		#18 Str. Tin-bonded (≤ 16 Str.)	
	#12 to #14 Str. Tin-bonded (≤ 19 Str.)			
	#16 Str. Tin-bonded (≤ 26 Str.)			
	#18 Str. Tin-bonded (≤ 16 Str.)			
Model	Line Side		Ballast Side	Electrical Ratings
182	#18 Sol.		#18 Sol.	3 Amps / 120 Volts
&				1.3 Amps / 277 Volts
183				1 Amps / 347 Volts
				0.75 Amps / 480 Volts
				0.60 Amps / 600 Volts