

PYROTENAX PYROTENAX SYSTEM 1850 SIZE CHART

Cable reference
NEC Current Rating 75°C/90°C
 CEC Current Rating 75°C/90°C
 Termination size

16 AWG	1/16-215 -/24 -/ - 1/2"	2/16-340 -/18 -/ - 1/2"	3/16-355 -/18 -/ - 1/2"	4/16-387 -(-)/18(14)* -(-)/-(-) 1/2"	7/16-449 -(-)/14(13)* -(-)/-(-) 3/4"
14 AWG	1/14-230 30/35 30/35 1/2"	2/14-371 20/25 20/25 1/2"	3/14-387 20/25 20/25 1/2"	4/14-465 20(16)/25(20)* 20(16)/25(20)* 3/4"	7/14-496 16(14)/20(18)* 16(14)/20(18)* 3/4"
12 AWG	1/12-246 35/40 35/40 1/2"	2/12-402 25/30 25/30 1/2"	3/12-480 25/30 25/30 3/4"	4/12-465 25(20)/30(24)* 25(20)/30(24)* 3/4"	7/12-543 20(18)/24(21)* 20(18)/24(21)* 3/4"
10 AWG	1/10-277 50/55 50/55 1/2"	2/10-449 35/40 35/40 3/4"	3/10-480 35/40 35/40 3/4"	4/10-590 35(28)/40(32)* 35(28)/40(32)* 3/4"	7/10-621 28(25)/32(28)* 28(25)/32(28)* 1"
8 AWG	1/8-298 70/80 70/80 1/2"	2/8-512 50/55 50/55 3/4"	3/8-590 50/55 50/55 3/4"	4/8-590 50(40)/55(44)* 50(40)/55(44)* 3/4"	7/8-710 40(35)/44(39)* 40(35)/44(39)* 1-1/4"
6 AWG	1/6-340 95/105 95/105 1/2"	2/6-590 65/75 65/75 3/4"	3/6-621 65/75 65/75 3/4"	4/6-730 65(52)/75(60)* 65(52)/75(60)* 1-1/4"	
4 AWG	1/4-402 125/140 125/140 1/2"	2/4-684 85/95 85/95 1"	3/4-746 85/95 85/95 1-1/4"	* On 4 and 7 conductor cable, the higher ampacity applies if one conductor is used as a neutral.	
3 AWG	1/3-449 145/165 145/165 3/4"	2/3-768 100/115 100/115 1-1/4"	3/3-834 100/115 100/115 1-1/4"		
2 AWG	1/2-449 170/190 170/190 3/4"	2/2-865 115/130 115/130 1-1/4"	Notes: 1. Current ratings are based on 30°C (86°F) ambient. For ambients in excess of 30°C (86°F), refer to electrical codes for the derating factors. 2. For 14 AWG, 12 AWG, 10 AWG, refer to appropriate sections of NEC and CEC governing conductor overcurrent protection limitations.		
1 AWG	1/1-496 195/220 195/220 3/4"	2/1-975 130/145 130/145 1-1/4"			

Fig. 1 600 V power and control cables

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1/0 AWG	1/1/0-512 230/260 230/260 3/4"	
2/0 AWG	1/2/0-580 265/300 265/300 3/4"	
3/0 AWG	1/3/0-621 310/350 310/350 3/4"	
4/0 AWG	1/4/0-684 360/405 360/405 1"	
250 kcmil	1/250-746 405/455 405/455 1-1/4"	
350 kcmil	1/350-834 505/570 505/570 1-1/4"	
500 kcmil	1/500-1000 620/700 620/700 1-1/4"	

Fig. 2 600 V power and control cables (continued)

Cable reference
 Termination size





	Twisted pair	Shielded twisted pair
18 AWG	2/18-215T 1/2" 	2/18-324TS 3/4" 
16 AWG	2/16-246T 1/2" 	2/16-364TS 3/4" 

Fig. 3 300 V twisted pair and shielded twisted pair cables



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