

SYSTEM 1850



PYROTENAX

ELECTRICAL CIRCUIT PROTECTIVE SYSTEM

2-Hour Fire-Rated Electrical Cable – Size Chart										
16 AWG	Cable Reference		2/16-340		3/16-355		4/16-387		7/16-449	
	NEC Ampacity Rating 75°C/90°C		- / 18		- / 18		-(-) / 18(14)*		-(-) / 14(13)*	
	CEC Ampacity Rating 75°C/90°C		- / -		- / -		-(-) / -(-)		-(-) / -(-)	
	Termination Size		1/2"		1/2"		1/2"		3/4"	
14 AWG	Cable Reference		2/14-371		3/14-387		4/14-465		7/14-496	
	NEC & CEC Ampacity Rating 75°C/90°C		20 / 25		20 / 25		20(16) / 25(20)*		16(14) / 20(18)*	
	Termination Size		1/2"		1/2"		3/4"		3/4"	
12 AWG	Cable Reference		2/12-402		3/12-480		4/12-465		7/12-543	
	NEC & CEC Ampacity Rating 75°C/90°C		25 / 30		25 / 30		25(20) / 30(24)*		20(18) / 24(21)*	
	Termination Size		1/2"		3/4"		3/4"		3/4"	
10 AWG	Cable Reference	1/10-277	2/10-449		3/10-480		4/10-590		7/10-621	
	NEC & CEC Ampacity Rating 75°C/90°C	50 / 55	35 / 40		35 / 40		35(28) / 40(32)*		28(25) / 32(28)*	
	Termination Size	1/2"	3/4"		3/4"		3/4"		1"	
8 AWG	Cable Reference	1/8-298	2/8-512		3/8-590		4/8-590		7/8-710**	
	NEC & CEC Ampacity Rating 75°C/90°C	70 / 80	50 / 55		50 / 55		50(40) / 55(44)*		40(35) / 44(39)*	
	Termination Size	1/2"	3/4"		3/4"		3/4"		1-1/4"	
6 AWG	Cable Reference	1/6-340	2/6-590		3/6-621		4/6-730			
	NEC & CEC Ampacity Rating 75°C/90°C	95 / 105	65 / 75		65 / 75		65(52) / 75(60)*			
	Termination Size	1/2"	3/4"		3/4"		1-1/4"			
4 AWG	Cable Reference	1/4-402	2/4-684		3/4-746					
	NEC & CEC Ampacity Rating 75°C/90°C	125 / 140	85 / 95		85 / 95					
	Termination Size	1/2"	1"		1-1/4"					
3 AWG	Cable Reference	1/3-449	2/3-768		3/3-834					
	NEC & CEC Ampacity Rating 75°C/90°C	145 / 165	100 / 115		100 / 115					
	Termination Size	3/4"	1-1/4"		1-1/4"					
2 AWG	Cable Reference	1/2-449	2/2-865**							
	NEC & CEC Ampacity Rating 75°C/90°C	170 / 190	115 / 130							
	Termination Size	3/4"	1-1/4"							
1 AWG	Cable Reference	1/1-496	2/1-975**							
	NEC & CEC Ampacity Rating 75°C/90°C	195 / 220	130 / 145							
	Termination Size	3/4"	1-1/4"							

600 VOLT POWER AND CONTROL CABLES

To obtain cable diameter: use last three or four digits in the cable reference number and move decimal point three places to the left; result is cable diameter in inches.

Example: cable reference 4/10-590 is 0.590" diameter; cable reference 1/500-1000 is 1.000" diameter.

* On 4 and 7 conductor cable, the higher ampacity applies if one conductor is used as a neutral.

** Check factory for availability

Note: For 14 AWG, 12 AWG 10 AWG, refer to appropriate sections of NEC and CEC governing conductor overcurrent protection limitations.

2-Hour Fire-Rated Electrical Cable – Size Chart			
1/0 AWG	Cable Reference NEC & CEC Ampacity Rating 75°C/90°C	1/1/0-512 230 / 260	
	Termination Size	3/4"	
2/0 AWG	Cable Reference NEC & CEC Ampacity Rating 75°C/90°C	1/2/0-580 265 / 300	
	Termination Size	3/4"	
3/0 AWG	Cable Reference NEC & CEC Ampacity Rating 75°C/90°C	1/3/0-621 310 / 350	
	Termination Size	1"	
4/0 AWG	Cable Reference NEC & CEC Ampacity Rating 75°C/90°C	1/4/0-684 360 / 405	
	Termination Size	1-1/4"	
250 kcmil	Cable Reference NEC & CEC Ampacity Rating 75°C/90°C	1/250-746 405 / 455	
	Termination Size	1-1/4"	
350 kcmil	Cable Reference NEC & CEC Ampacity Rating 75°C/90°C	1/350-834 505 / 570	
	Termination Size	1-1/4"	
500 kcmil	Cable Reference NEC & CEC Ampacity Rating 75°C/90°C	1/500-1000 620 / 700	
	Termination Size	1-1/4"	

300 Volt twisted pair and Shielded twisted pair Cables		
	Twisted Pair	Shielded Twisted Pair
18 AWG		
Cable Reference	2/18-215T	2/18-324TS
Termination Size	1/2"	3/4"
16 AWG		
Cable Reference	2/16-246T	2/16-364TS
Termination Size	1/2"	3/4"

APPROVALS



2-hour Fire-Rated Electrical Cables (Type MI)

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