

# SYSTEM 1850



**PYROTENAX**

## ELECTRICAL CIRCUIT PROTECTIVE SYSTEM

### 2-HOUR FIRE-RATED ELECTRICAL CABLE – SIZE CHART

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

### 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.

<b>1/0 AWG</b>	<p><b>Cable Reference</b> NEC &amp; CEC Ampacity Rating 75°C/90°C</p> <p><b>Termination Size</b></p>	<p><b>1/1/0-512</b> 230 / 260</p> <p>3/4"</p>
<b>2/0 AWG</b>	<p><b>Cable Reference</b> NEC &amp; CEC Ampacity Rating 75°C/90°C</p> <p><b>Termination Size</b></p>	<p><b>1/2/0-580</b> 265 / 300</p> <p>3/4"</p>
<b>3/0 AWG</b>	<p><b>Cable Reference</b> NEC &amp; CEC Ampacity Rating 75°C/90°C</p> <p><b>Termination Size</b></p>	<p><b>1/3/0-621</b> 310 / 350</p> <p>3/4"</p>
<b>4/0 AWG</b>	<p><b>Cable Reference</b> NEC &amp; CEC Ampacity Rating 75°C/90°C</p> <p><b>Termination Size</b></p>	<p><b>1/4/0-684</b> 360 / 405</p> <p>1"</p>
<b>250 kcmil</b>	<p><b>Cable Reference</b> NEC &amp; CEC Ampacity Rating 75°C/90°C</p> <p><b>Termination Size</b></p>	<p><b>1/250-746</b> 405 / 455</p> <p>1-1/4"</p>
<b>350 kcmil</b>	<p><b>Cable Reference</b> NEC &amp; CEC Ampacity Rating 75°C/90°C</p> <p><b>Termination Size</b></p>	<p><b>1/350-834</b> 505 / 570</p> <p>1-1/4"</p>
<b>500 kcmil</b>	<p><b>Cable Reference</b> NEC &amp; CEC Ampacity Rating 75°C/90°C</p> <p><b>Termination Size</b></p>	<p><b>1/500-1000</b> 620 / 700</p> <p>1-1/4"</p>

**300 VOLT TWISTED PAIR AND SHIELDED TWISTED PAIR CABLES**

	Twisted Pair	Shielded Twisted Pair
<p><b>18 AWG</b></p> <p><b>Cable Reference</b> <b>Termination Size</b></p>	<p><b>2/18-215T</b> 1/2"</p>	<p><b>2/18-324TS</b> 3/4"</p>
<p><b>16 AWG</b></p> <p><b>Cable Reference</b> <b>Termination Size</b></p>	<p><b>2/16-246T</b> 1/2"</p>	<p><b>2/16-364TS</b> 3/4"</p>

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