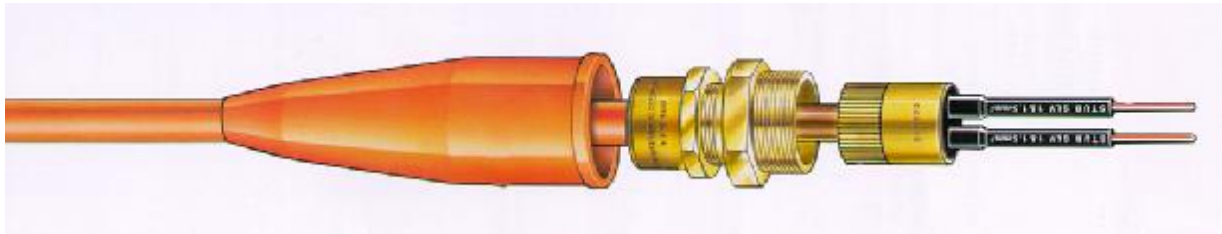


# PYROTENAX WIRING CABLE PRODUCT DATA

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## Imperial Data Sheet



# PYROTENAX WIRING CABLE PRODUCT DATA

## Single Conductor Cables

Pot/Gland Marking	Cable Diameter	Conductor Size		Exposed to Touch Current Rating 14th Edition IEE Regulations				Effective Sheath Area	Sheath Res at 20°C	Conductor Res at 20°C	R1+R2 Fault Condition	Volt Drop	Suitable Metric Components		
				Bare Cable		Covered Cable							Gland	Pot From	Cap & Sleeve From
				Single Phase	Three Phase	Single Phase	Three Phase								
				mm	in <sup>2</sup>	mm <sup>2</sup>	mm <sup>2</sup>								
<b>440 volt</b>															
157 or 161	3.99	0.0015	0.97	22	19	24	21	3.9	4.46	17.82	33.06	38.00	N/A	N/A	N/A
165 or 169	4.19	0.002	1.29	26	23	29	25	4.3	4.01	13.37	25.56	28.50	N/A	N/A	N/A
176 or 180	4.47	0.003	1.94	32	28	35	31	4.6	3.73	8.92	18.32	19.00	2L1 20	N/A	N/A
192 or 196	4.88	0.0045	2.90	40	35	44	39	5.3	3.23	5.94	13.08	12.70	2L1 20	N/A	N/A
224 or 228	5.69	0.007	4.52	53	47	58	52	6.3	2.72	3.82	9.17	8.10	2L1.5 20	N/A	N/A
<b>660 volt</b>															
218	5.44	0.0015	0.97	24	21	26	23	N/A	N/A	17.82	N/A	38	2L1.5 20	2L1.5 20**	N/A
228	5.69	0.002	1.29	29	25	32	28	N/A	N/A	13.37	N/A	28.5	2L1.5 20		N/A
238	5.94	0.003	1.94	36	32	40	35	N/A	N/A	8.92	N/A	19	3L1.5 20	3L1.5 20**	N/A
250	6.25	0.0045	2.90	45	39	50	43	N/A	N/A	5.94	N/A	12.7	4L1 20	4L1 20*	N/A
272	6.81	0.007	4.52	57	50	63	55	N/A	N/A	3.82	N/A	8.1	4L1.5 20	4L1.5 20**	1H10 20
286 or 290	7.26	0.01	6.45	68	60	75	66	9.8	1.75	2.67	6.23	5.7	1H10 20		
319 or 323	8.10	0.0145	9.35	85	75	94	83	11.9	1.44	1.844	4.58	3.9	4L2.5 20		1H10 20
345 or 349	8.76	0.0225	14.52	110	97	121	107	13.5	1.28	1.188	3.36	2.5	2H2.5 20		1H16 20
382 or 386	9.70	0.03	19.35	130	117	143	129	15.6	1.11	0.892	2.27	1.9	2H4 20	1H25 20	
418 or 422	10.62	0.04	25.81	155	135	171	149	18.3	0.94	0.668	2.15	1.4	1H35 20*		
480 or 484	12.19	0.06	38.71	195	170	215	187	23.3	0.74	0.445	1.57	0.95	1H50 25		
574 or 578	14.58	0.1	64.52	270	240	297	264	30.7	0.56	0.267	1.08	0.57	2H16 25	2H16 25 *	1H70 25
668 or 672	16.97	0.15	96.77	345	305	380	336	37.9	0.45	0.178	0.809	0.38	2H25 32	2H25 32	1H120 32
746 or 750	18.95	0.2	129.03	410	360	451	396	44.8	0.38	0.133	0.656	0.28	-	1H150 32****	

\* Depending upon fit "Thread Lok" or solder may be required  
 \*\* Pot will require soldering into position  
 \*\*\* May need to emery the cable sheath slightly  
 \*\*\*\* Pot requires drilling out to cable diameter and soldering onto the cable

# PYROTENAX WIRING CABLE PRODUCT DATA

## Twin Conductor Cables

Pot/Gland Marking	Cable Diameter	Conductor Size		Exposed to Touch Current Rating 14th Edition IEE Regulations		Effective Sheath Area mm <sup>2</sup>	Sheath Res at 20°C Ohm/km	Conductor Res at 20°C Ohm/km	R1+R2 Fault Condition Ohm/km	Volt Drop mV/A/m	Suitable Metric Components		
		in <sup>2</sup>	mm <sup>2</sup>	Single Phase							Gland RGM	Pot From RPS	Cap & Sleeve From RPS
				Bare Cable	Covered Cable								
<b>240 volt</b>													
0	4.62	0.0015	0.97	16	18	4.6	3.78	17.82	32.26	43.8			
192	4.78	0.0015	0.97	16	18			17.82		43.8	2L1 20		
192	4.88	0.0015	0.97	16	18	4.8	3.57	17.82	32.01	43.8			
220	5.59	0.003	1.94	24	26	5.9	2.92	8.92	17.36	21.9	2L1.5 20	2L1.5 20*	2L2.5 20
224	5.69	0.003	1.94	24	26	6	2.86	8.92	17.29	21.9	2L1.5 20		2L2.5 20
234	5.94	0.003	1.94	24	26	6.3	2.73	8.92	17.14	21.9	4L1	3L1 20***	2L2.5 20
250	6.35	0.0045	2.9	31	34	7.1	2.42	5.94	12.12	14.6	3L1.5 20		2L4 20
253	6.43	0.0045	2.9	31	34	7.2	2.39	5.94	12.09	14.6	3L1.5 20		2L4 20
264	6.71	0.0045	2.9	31	34	7.6	2.28	5.94	11.96	14.6	2L2.5 20		2L4 20
<b>440 Volt</b>													
234 or 238	5.94	0.0015	0.97	18	20	6	2.88	17.82	31.2	43.8	4L1	3L1 20***	2L1 20
268 or 272	6.81	0.002	1.29	21	23	8.4	2.05	13.37	23.28	32.9	4L1.5 20	4L1.5 20**	2L1.5 20
286 or 290	7.26	0.003	1.94	26	29	9.8	1.75	8.92	15.98	21.9	3L2.5 20		2L2.5 20
324	8.23	0.0045	2.9	30	33	12.1	1.42	5.94	10.94	14.6	3H1.5 20		2L4 20
364	9.25	0.007	4.52	43	47			3.82		9.4	3H2.5 20		2L4 20
<b>660 Volt</b>													
328	8.23	0.0015	0.97	16	18			17.82		43.8	3H1.5 20		2L1 20
340 or 344	8.64	0.002	1.29	23	25	13.3	1.3	13.37	22.39	32.9	2H2.5 20		2L1.5 20
364 or 368	9.25	0.003	1.94	28	31	14.8	1.17	8.92	15.3	21.9	3H2.5 20		2L2.5 20
393 or 397	9.98	0.0045	2.9	36	40	16.6	1.04	5.94	10.49	14.6	4H2.5 20	4H2.5 20 *	2L4 20
433 or 437	11	0.007	4.52	46	51	19.7	0.88	3.82	7	9.4	4H4 25	4H4 25**	2H10 25
465 or 469	11.81	0.01	6.45	56	62	21.9	0.79	2.67	5.1	6.6	1H50 25	1H50 25**	2H10 25
527 or 531	13.39	0.0145	9.35	70	77	26.5	0.65	1.844	3.64	4.5	3H10 25	3H10 25**	2H10 25
590 or 594	14.99	0.0225	14.52	90	99	31.6	0.55	1.188	2.5	2.9	1H95 25	1H95 25**	2H16 25
652 or 656	16.56	0.03	19.35	110	121	37	0.47	0.892	1.95	2.2	1H120 32	1H120 32**	2H25 32

See notes on next page

## PYROTENAX WIRING CABLE PRODUCT DATA

### Three Conductor Cables

Pot/Gland Marking	Cable Diameter	Conductor Size		Exposed to Touch Current Rating				Effective Sheath Area mm <sup>2</sup>	Sheath Res at 20°C Ohm/km	Conductor Res at 20°C Ohm/km	R1+R2 Fault Condition Ohm/km	Volt Drop mV/A/m	Suitable Metric Components		
				14th Edition IEE Regulations									Gland	Pot From	Cap & Sleeve From
				Bare Cable		Covered Cable									
				Single Phase	Three Phase	Single Phase	Three Phase								
mm	in <sup>2</sup>	mm <sup>2</sup>										RGM	RPS	RPS	
250 volt															
192	4.88	0.0015	0.97	16	13	18	14	4.8	3.57	17.82	32.01	38	2L1 20	2L1 20**	3L1 20
197	5	0.0015	0.97	16	13	18	14	5	3.47	17.82	31.89	38	2L1 20	2L1 20 *	3L1 20
440 volt															
253 or 157	6.43	0.0015	0.97	-	15	-	17	7.2	2.39	17.82	30.62	38	3L1.5 20	3L1.5 20	
286 or 290	7.26	0.002	1.29	-	18	-	20	9.8	1.75	13.37	22.92	28.5	3L2.5 20	3L2.5 20	
660 volt															
340 or 344	8.64	0.0015	0.97	-	16	-	18	-	-	17.82	-	38	2H2.5 20	2H2.5 20	3L1 20
364 or 368	9.25	0.002	1.29	-	19	-	21	14.8	1.17	13.37	22.24	28.5	3H2.5 20	3H2.5 20	
382 or 386	9.7	0.003	1.94	-	24	-	26	15.6	1.11	8.92	15.23	19	2H4 20	1H25 20	3L2.5 20
418 or 422	10.62	0.0045	2.9	-	30	-	33	18.3	0.94	5.94	10.38	12.7	1H35 20	1H35 20	3H4 20
449 or 453	11.4	0.007	4.52	-	38	-	42	20.4	0.84	3.82	6.95	8.1	4H4 25	4H4 25	3H6 25
512 or 516	13	0.01	6.45	-	47	-	52	25.7	0.67	2.67	4.96	5.7	3H10 25	3H10 25**	
558 or 562	14.17	0.0145	9.35	-	58	-	64	29.8	0.58	1.84	3.56	3.9	2H16 25	4H16 25**	3H10 25
637 or 641	16.18	0.0225	14.52	-	76	-	85	35.2	0.49	1.19	2.43	2.5	1H120 32	3H16 25****	
716 or 720	18.19	0.03	19.35	-	91	-	100	41.9	0.41	0.89	1.88	1.9	3H25 40	3H25 40	

\* Depending upon fit "Thread Lok" or solder may be required  
 \*\* Pot will require soldering into position  
 \*\*\*May need to emery the cable sheath slightly  
 \*\*\*\* Pot requires drilling out to cable diameter and soldering onto the cable

## PYROTENAX WIRING CABLE PRODUCT DATA

### Four Conductor Cables

Pot/Gland Marking	Cable Diameter	Conductor Size		Exposed to Touch Current Rating				Effective Sheath Area	Sheath Res at 20°C	Conductor Res at 20°C	R1+R2 Fault Condition	Volt Drop	Suitable Metric Components							
				14th Edition IEE Regulations									mm <sup>2</sup>	Ohm/km	Ohm/km	Ohm/km	mV/A/m	Gland	Pot From	Cap & Sleeve From
				Bare Cable		Covered Cable														
				Single Phase	Three Phase	Single Phase	Three Phase													
mm	in <sup>2</sup>	mm <sup>2</sup>								RGM	RPS	RPS								
250 volt																				
268 or 272	6.81	0.0015	0.97	13	15	14	17	8.1	2.14	17.82	30.32	38	4L1.5 20	4L1.520*						
312 or 316	7.92	0.002	1.29	16	18	18	20	11.2	1.53	13.37	22.66	28.5	2H1.5 20	2H1.5 20	4L1.5 20					
660 volt																				
371 or 375	9.42	0.0015	0.97	15	17	17	19	N/A	N/A	17.82	N/A	38	1H25 20	1H25 20*	4L120					
393 or 397	9.98	0.002	1.29	16	19	18	21	16.6	1.04	13.37	22.08	28.5	4H2.5 20	4H2.5 20*						
418 or 422	10.62	0.003	1.94	21	24	23	26	18.3	0.94	8.92	15.02	19	1H35 20	1H35 20	4L2.5 20					
449 or 453	11.4	0.0045	2.9	26	30	29	33	20.4	0.84	5.94	10.26	12.7	4H4 25	4H4 25						
512 or 516	13	0.007	4.52	34	39	37	43	25.7	0.67	3.82	6.75	8.1	3H10 25	3H10 25**	4H6 25					
558 or 562	14.17	0.01	6.45	42	49	46	54	29.8	0.58	2.67	4.85	5.7	2H16 25	4H10 25**						
606 or 610	15.4	0.0145	9.35	52	60	57	66	33.4	0.52	1.84	3.49	3.9	1H95 25	1H95 25	4H10 25					
700 or 704	17.78	0.0225	14.52	68	78	75	86	40.9	0.42	1.19	N/A	2.5	3H25 40	3H25 40**	4H25 40					
811	20.6	0.03	19.55	82	95	90	105	47.7	0.36	0.89	1.82	1.9	N/A	4H25 40****						
917	23.29	0.04	25.81	99	114	109	125	N/A	N/A	0.69	N/A	1.4	1H240 40	1H240 40	4H25 40					

\* Depending upon fit "Thread Lok" or solder may be required  
 \*\* Pot will require soldering into position  
 \*\*\* May need to emery the cable sheath slightly  
 \*\*\*\* Pot requires drilling out to cable diameter and soldering onto the cable

## PYROTENAX WIRING CABLE PRODUCT DATA

### Seven Conductor Cables

Pot/Gland Marking	Cable Diameter	Conductor Size		Exposed to Touch Current Rating 14th Edition IEE Regulations				Effective Sheath Area	Sheath Res at 20°C	Conductor Res at 20°C	R1+R2 Fault Condition	Volt Drop	Suitable Metric Components		
				Bare Cable		Covered Cable							Gland	Pot From	Cap & Sleeve From
				Single Phase	Three Phase	Single Phase	Three Phase								
				mm	in <sup>2</sup>	mm <sup>2</sup>							mm <sup>2</sup>	Ohm/km	Ohm/km
440 volt															
324 or 328															
371 or 375															
660 volt															
512 or 516	13	0.003	1.94	17	17	19	19	25.7	0.67	8.92	14.71	21.9	3H10 25	3H10 25	7L2.5