



Right Pump. Right Now.®

Submersible Cable Chart

CABLE CHART – 60° C

Three Phase 60° C Cable, 60 Hz (Service Entrance to Motor) Maximum Length in Feet

Motor Rating		60° C Insulation - AWG Copper Wire Size														
Volts	HP	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0	250	350	500
230V 60 Hz. Three Phase 3 Lead	5	140	230	370	590	920	1430	2190	2690	3290	4030	4850	5870	6650	8460	
	7.5	0	150	250	410	640	1010	1540	1900	2310	2840	3400	4120	4660	5910	7440
	10	0	0	180	300	470	740	1140	1410	1720	2110	2550	3090	3510	4500	5710
	15	0	0	0	200	320	510	790	970	1180	1450	1760	2120	2410	3080	3900
	20	0	0	0	0	240	390	600	750	920	1130	1370	1670	1900	2440	3100
	25	0	0	0	0	0	310	490	600	730	900	1100	1330	1510	1950	2480
	30	0	0	0	0	0	250	390	490	590	730	890	1080	1230	1580	2030

460V 60 Hz. Three Phase 3 Lead	5	590	950	1500	2360	3700	5750										
	7.5	410	670	1060	1670	2610	4060	6200	7610								
	10	300	480	770	1220	1910	2980	4580	5630	6900							
	15	0	330	530	840	1320	2070	3160	3890	4760	5840	7040					
	20	0	0	400	640	1020	1600	2460	3020	3710	4560	5500					
	25	0	0	0	520	810	1280	1960	2410	2960	3640	4400	5350				
	30	0	0	0	410	650	1030	1570	1950	2390	2940	3560	4330	4940			
	40	0	0	0	0	500	790	1220	1500	1840	2270	2730	3320	3760			
	50	0	0	0	0	0	610	940	1170	1430	1750	2110	2560	2910	3700	4690	
	60	0	0	0	0	0	540	830	1020	1250	1540	1860	2250	2550	3260	4120	
	75	0	0	0	0	0	0	0	660	820	1000	1230	1480	1810	2050	2640	3360
	100	0	0	0	0	0	0	0	0	610	750	930	1120	1360	1540	1990	2520
	125	0	0	0	0	0	0	0	0	0	0	770	920	1040	1270	1620	2040
	150	0	0	0	0	0	0	0	0	0	0	0	750	910	1040	1330	1680
200	0	0	0	0	0	0	0	0	0	0	0	0	0	840	1070	1370	

230V 60 Hz. Single Phase	5	0	0	170	260	430	680	1060	1330	1660	2070	2560				
	7.5	0	0	0	200	310	490	760	940	1150	1420	1740				
	10	0	0	0	0	220	340	520	660	810	1020	1250	1540			
	15	0	0	0	0	0	230	370	450	560	700	870	1080			

Lengths not in bold type meet the U.S. National Electrical Code ampacity for either individual conductors or jacketed 60° C cable. Lengths in bold type meet the National Electric Code ampacity only for individual conductor 60° C cable, in free air or water. If other cable is used, the National Electric Code as well as the local codes should be observed.

Submersible Cable Chart

CABLE CHART – 75° C

Three Phase 75° C Cable, 60 Hz (Service Entrance to Motor) Maximum Length in Feet

Motor Rating		75° C Insulation - AWG Copper Wire Size														
Volts	HP	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0	250	350	500
230V 60 Hz. Three Phase 3 Lead	5	140	230	370	590	920	1430	2190	2690	3290	4030	4850	5870	6650	8460	
	7.5	0	150	250	410	640	1010	1540	1900	2310	2840	3400	4120	4660	5910	7440
	10	0	0	180	300	470	740	1140	1410	1720	2110	2550	3090	3510	4500	5710
	15	0	0	0	200	320	510	790	970	1180	1450	1760	2120	2410	3080	3900
	20	0	0	0	150	240	390	600	750	920	1130	1370	1670	1900	2440	3100
	25	0	0	0	0	190	310	490	600	730	900	1100	1330	1510	1950	2480
	30	0	0	0	0	0	250	390	490	590	730	890	1080	1230	1580	2030

460V 60 Hz. Three Phase 3 Lead	5	590	950	1500	2360	3700	5750									
	7.5	410	670	1060	1670	2610	4060	6200	7610							
	10	300	480	770	1220	1910	2980	4580	5630	6900						
	15	0	330	530	840	1320	2070	3160	3890	4760	5840	7040				
	20	0	0	400	640	1020	1600	2460	3020	3710	4560	5500				
	25	0	0	320	520	810	1280	1960	2410	2960	3640	4400	5350			
	30	0	0	0	410	650	1030	1570	1950	2390	2940	3560	4330	4940		
	40	0	0	0	320	500	790	1220	1500	1840	2270	2730	3320	3760		
	50	0	0	0	0	390	610	940	1170	1430	1750	2110	2560	2910	3700	4690
	60	0	0	0	0	0	540	830	1020	1250	1540	1860	2250	2550	3260	4120
	75	0	0	0	0	0	430	660	820	1000	1230	1480	1810	2050	2640	3360
	100	0	0	0	0	0	0	490	610	750	930	1120	1360	1540	1990	2520
	125	0	0	0	0	0	0	0	0	620	770	920	1040	1270	1620	2040
	150	0	0	0	0	0	0	0	0	0	620	750	910	1040	1330	1680
	200	0	0	0	0	0	0	0	0	0	0	610	740	840	1070	1370

230V 60 Hz. Single Phase	5	0	100	170	260	430	680	1060	1330	1660	2070	2560	3190			
	7.5	0	0	120	200	310	490	760	940	1150	1420	1740	2120			
	10	0	0	0	140	220	340	520	660	810	1020	1250	1540			
	15	0	0	0	0	140	230	370	450	560	700	870	1080			

Lengths not in bold type meet the U.S. National Electrical Code ampacity for either individual conductors or jacketed 75° C cable.
Lengths in bold type meet the National Electric Code ampacity only for individual conductor 75° C cable, in free air or water.
If other cable is used, the National Electric Code as well as the local codes should be observed.