



# APPLICATION Three-Phase Motors

Table 18 Three-Phase 60 °C Cable (Continued)

60 °C

MOTOR RATING			60 °C INSULATION - AWG COPPER WIRE SIZE												MCM COPPER WIRE SIZE						
VOLTS	HP	KW	14	12	10	8	6	4	3	2	1	0	00	000	0000	250	300	350	400	500	
200 V 60 Hz Three-Phase 6 - Lead Y-D	5	3.7	160	250	420	660	1030	1620	2020	2490	3060	3730	4570	5500	6660	7540					
	7.5	5.5	110	180	300	460	730	1150	1440	1770	2170	2650	3250	3900	4720	5340					
	10	7.5	<b>80</b>	130	210	340	550	850	1080	1320	1630	1990	2460	2950	3580	4080	4650	5220	5700	6630	
	15	11	0	0	<b>140</b>	240	370	580	730	900	1110	1360	1660	2010	2440	2770	3150	3520	3850	4470	
	20	15	0	0	0	<b>170</b>	280	450	570	690	850	1050	1290	1570	1900	2160	2470	2770	3030	3540	
	25	18.5	0	0	0	<b>140</b>	<b>220</b>	360	450	550	690	850	1050	1260	1540	1750	1990	2250	2460	2850	
30	22	0	0	0	0	<b>180</b>	294	370	460	570	700	870	1050	1270	1450	1660	1870	2040	2380		
230 V 60 Hz Three-Phase 6 - Lead Y-D	5	3.7	210	340	550	880	1380	2140	2680	3280	4030	4930	6040	7270	8800	9970					
	7.5	5.5	150	240	390	630	970	1530	1900	2340	2880	3510	4300	5160	6240	7060	8010	8950	9750		
	10	7.5	<b>110</b>	180	280	460	730	1140	1420	1750	2160	2640	3240	3910	4740	5380	6150	6900	7530	8760	
	15	11	0	0	<b>190</b>	310	490	780	970	1200	1470	1800	2200	2670	3220	3660	4170	4660	5100	5910	
	20	15	0	0	<b>140</b>	230	370	600	750	910	1140	1390	1710	2070	2520	2860	3270	3670	4020	4680	
	25	18.5	0	0	0	<b>190</b>	300	480	600	750	910	1120	1380	1680	2040	2310	2640	2970	3240	3780	
30	22	0	0	0	<b>150</b>	<b>240</b>	390	490	610	760	930	1140	1390	1690	1920	2200	2470	2700	3160		
380 V 60 Hz Three-Phase 6 - Lead Y-D	5	3.7	600	960	1510	2380	3730	5800	7170	8800											
	7.5	5.5	400	660	1030	1630	2560	3960	4890	6000	7390	9010									
	10	7.5	300	480	760	1200	1870	2890	3570	4360	5350	6490	7840	9390							
	15	11	210	340	550	880	1380	2140	2650	3250	4030	4930	6000	7260	8650	9780					
	20	15	<b>160</b>	260	410	660	1050	1630	2020	2500	3090	3790	4630	5640	6750	7660	4260	9760			
	25	18.5	0	<b>210</b>	330	540	850	1320	1650	2020	2500	3070	3760	4560	5460	6190	7080	7870	8610	9880	
	30	22	0	0	<b>270</b>	430	700	1090	1360	1680	2070	2550	3120	3780	4530	5140	5880	6540	7150	8230	
	40	30	0	0	0	<b>320</b>	510	790	990	1230	1510	1860	2280	2760	3300	3750	4270	4750	5200	5980	
	50	37	0	0	0	<b>250</b>	<b>400</b>	630	810	990	1230	1500	1830	2220	2650	3010	3430	3820	4170	4780	
	60	45	0	0	0	0	<b>340</b>	540	660	840	1030	1270	1540	1870	2250	2550	2910	3220	3520	4050	
	75	55	0	0	0	0	0	<b>450</b>	550	690	855	1050	1290	1570	1900	2160	2490	2770	3040	3520	
	100	75	0	0	0	0	0	0	<b>420</b>	<b>520</b>	640	760	940	1140	1360	1540	1770	1960	2140	2470	
	125	93	0	0	0	0	0	0	0	<b>400</b>	<b>490</b>	<b>600</b>	730	930	1110	1260	1420	1590	1740	1990	
	150	110	0	0	0	0	0	0	0	0	<b>420</b>	<b>510</b>	<b>620</b>	750	930	1050	1180	1320	1440	1630	
175	130	0	0	0	0	0	0	0	0	<b>360</b>	<b>440</b>	<b>540</b>	660	780	970	1120	1260	1380	1600		
200	150	0	0	0	0	0	0	0	0	0	0	<b>480</b>	<b>580</b>	<b>690</b>	790	940	1050	1140	1320		
460 V 60 Hz Three-Phase 6 - Lead Y-D	5	3.7	880	1420	2250	3540	5550	8620													
	7.5	5.5	630	1020	1600	2530	3960	6150	7650	9390											
	10	7.5	460	750	1180	1870	2940	4570	5700	7020	8620										
	15	11	310	510	810	1270	2010	3130	3900	4800	5890	7210	8850								
	20	15	<b>230</b>	380	610	970	1540	2410	3000	3700	4560	5590	6870	8290							
	25	18.5	<b>190</b>	310	490	790	1240	1950	2430	2980	3670	4510	5550	6700	8140						
	30	22	0	<b>250</b>	410	640	1020	1600	1990	2460	3040	3730	4590	5550	6750	7690	8790				
	40	30	0	0	<b>300</b>	480	750	1180	1470	1810	2230	2740	3370	4060	4930	5590	6370				
	50	37	0	0	0	<b>370</b>	590	960	1200	1470	1810	2220	2710	3280	3970	4510	5130	5740	6270	7270	
	60	45	0	0	0	<b>320</b>	<b>500</b>	810	1000	1240	1530	1870	2310	2770	3360	3810	4330	4860	5310	6150	
	75	55	0	0	0	0	<b>420</b>	660	810	1020	1260	1540	1890	2280	2770	3150	3600	4050	4420	5160	
	100	75	0	0	0	0	0	<b>500</b>	<b>610</b>	760	930	1140	1410	1690	2070	2340	2680	3010	3280	3820	
	125	93	0	0	0	0	0	0	0	<b>470</b>	<b>590</b>	<b>730</b>	880	1110	1330	1500	1830	2080	2340	2550	2940
	150	110	0	0	0	0	0	0	0	0	<b>510</b>	<b>630</b>	<b>770</b>	950	1140	1380	1570	1790	2000	2180	2530
175	130	0	0	0	0	0	0	0	0	0	<b>550</b>	<b>680</b>	<b>830</b>	1000	1220	1390	1580	1780	1950	2270	
200	150	0	0	0	0	0	0	0	0	0	0	<b>590</b>	<b>730</b>	<b>880</b>	1070	1210	1380	1550	1690	1970	
575 V 60 Hz Three-Phase 6 - Lead Y-D	5	3.7	1380	2220	3490	5520	8620														
	7.5	5.5	990	1590	2520	3970	6220														
	10	7.5	730	1170	1860	2920	4590	7150	8910												
	15	11	490	790	1270	2010	3130	4890	6090												
	20	15	370	610	970	1540	2410	3780	4710	5790	7140	8740									
	25	18.5	<b>300</b>	490	780	1240	1950	3040	3790	4660	5760	7060									
	30	22	<b>240</b>	400	645	1020	1600	2500	3120	3840	4740	5820	7150	8670							
	40	30	0	<b>300</b>	480	750	1180	1860	2310	2850	3490	4290	5260	6340	7710	8740					
	50	37	0	0	<b>380</b>	590	960	1500	1870	2310	2830	3460	4260	5130	6210	7050	8010	8980	9790		
	60	45	0	0	0	<b>500</b>	<b>790</b>	1270	1590	1950	2400	2940	3600	4330	5250	5950	6780	7600	8290	9610	
	75	55	0	0	0	<b>420</b>	<b>660</b>	1030	1290	1590	1960	2400	2950	3570	4330	4930	5620	6330	6910	8050	
	100	75	0	0	0	0	<b>400</b>	<b>780</b>	960	1180	1450	1780	2190	2650	3220	3660	4180	4710	5140	5980	
	125	93	0	0	0	0	0	<b>600</b>	<b>740</b>	920	1150	1420	1740	2100	2530	2880	3270	3660	3970	4600	
	150	110	0	0	0	0	0	0	<b>650</b>	<b>800</b>	<b>990</b>	1210	1480	1780	2160	2450	2790	3120	3410	3950	
175	130	0	0	0	0	0	0	0	<b>700</b>	<b>860</b>	1060	1300	1570	1910	2170	2480	2780	3040	3540		
200	150	0	0	0	0	0	0	0	0	<b>760</b>	<b>930</b>	1140	1370	1670	1890	2160	2420	2640	3070		

Lengths in **BOLD** only meet the US National Electrical Code ampacity requirements for individual conductors in free air or water. Lengths NOT in bold meet NEC ampacity requirements for either individual conductors or jacketed cable. See page 11 for additional details.